ORDER NO. VRD9102M104

Service Manual

General Description
Adjustment Procedures
Block/Schematic Diagrams
Exploded Views/Parts List

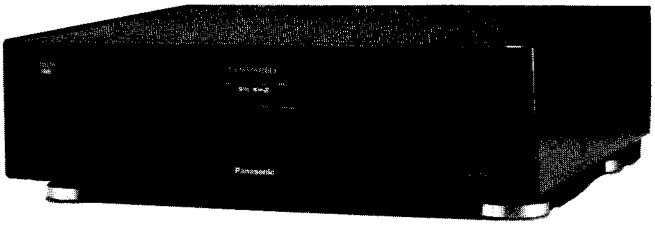
Video Cassette Recorder

Panasonic S-VHS VHS PAL 625

S-VHS-C VHS PAL 625

Hi-Fi HQ

NV-V8000 EG B EB



SPECIFICATIONS

ITEM	SPECIFICATION	
POWER	SOURCE: 220~240V AC 50/60Hz	
	CONSUMPTION: 64 watts	
RECORDING SYSTEM	2 rotary heads, helical scanning system	
	PAL	
TV TUNER SYSTEM	NV-V8000EG (GERMANY)	VHF I: CHE2~CHE4 VHF III: CHS4~CHE12 VHF H: CHS11~CHS20 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-V8000EG (ITALY)	VHF I: CHA~CHH VHF III: CHS4~CHH2 VHF H: CHS11~CHS41 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-V8000EG (OTHER COUNTRIES) NV-V8000EB	VHF I: CHE2~CHS3 VHF III: CHM1~CHE12 VHF H: CHU1~CHS41 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-V8000B	UHF: CH21~CH69 (PAL I) 75Ω unbalanced
RF OUT SYSTEM	UHF: CH36±4 (PAL G) 70^{+2}_{-3}dBμ, 75Ω terminated (NV-V8000EG/EB) UHF: 36±4 (PAL I) 73±3dBμ, 75Ω terminated (NV-V8000B)	
VIDEO	HEADS: 4 rotary heads 1 pair for SP recording, playback and trick play (L-R heads) 1 pair for LP recording, playback and trick play (L′-R′ heads), 1 flying erase head	
	INPUT: VIDEO IN Connector (Phono type 1) 1.0Vp-p, 75Ω terminated EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated S-VIDEO IN: Y: 1.0Vp-p, 75Ω terminated C: 0.3Vp-p, 75Ω terminated	

ITEM	SPECIFICATION
VIDEO	OUTPUT: VIDEO OUT Connector (Phono type) 1.0Vp-p, 75Ω terminated EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated S-VIDEO OUT: Y: 1.0Vp-p, 75Ω terminated C: 0.3Vp-p, 75Ω terminated
AUDIO	HEAD: 1 Stationary head (Normal Audio) 2 rotary heads (Hi-Fi 2CH)
	INPUT: AUDIO IN Connector (Phono type 2) More than −10dBV (316mV), more than 50kΩ EURO AV COnnector (21 pin) More than −10dBV (316mV), more than 10kΩ MICROPHONE JACK −70dBV
	OUTPUT: AUDIO OUT Connector (Phono type) −8dBV (400mV), Less than 1kΩ EURO AV Connector (21 pin) −6dBV (500mV), Less than 1kΩ HEADPHONE JACK −30dBV, 8Ω
	TRACK: 1 track (Normal-mono only) 2 channels (Hi-Fi Sound-Stereo)
TAPE FORMAT	VHS/S-VHS/VHS-C/S-VHS-C tape (Tape width 12.7mm)
TAPE SPEED	SP: 23.39mm/s LP: 11.695mm/s Record/Playback Time: SP: 4 hours with 240min. type tape LP: 8 hours with 240min. type tape FF/REW Time 2.5min. with 180min. type tape
DIMENSIONS	480(W) × 147.5(H) × 482(D)mm
WEIGHT	14.0kg (NV-V8000EG/B) 14.1kg (NV-V8000EB)
STANDARD ACCESSORIES	1 pc. DIN-DIN Coaxial Cable 1 pc. Remote Controller 3 pcs. "R6" size batteries 2 pcs. Stereo type Phono Cables 1 pc. Digital Scanner (with Programming Sheet) 4 pcs. "R03" size batteries (for Digtal Scanner) 1 pc. AC Mains Lead 1 pc. S-Video Cable 2 pcs. Phone/BNC Plug Adaptor (NV-V8000B/EB only)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service this model.

Section 1 presents you with some general information of features and controls, enabling you to become familiar with each function.

Section 2 contributes to your mechanical and electrical adjustment as well disassembly and replacement procedures.

In the case of very common information relating to other models like mechanical adjustments, please refer to each service manual.

Section 3 contains block diagrams which offers you information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c. ...

Section 4 contains exploded views and parts list.

Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

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REMARKS: (NV-V8000EG ONLY)

1. It is possible to receive, record and playback colour broadcasts from East Germany (DDR) on this video recorder.
2. When a video tape that was recorded with a colour TV broadcast from East Germany on this VTR is played back on a SECAM (France) or a PAL VTR, the picture may be in black and white.
3. When a video tape recorded on a SECAM (France) VTR or a SECAM (France) pre-recorded video tape is played back on this VTR, the picture is in black and white.

SERVICE INFORMATION

1-1. HOW TO CHECK THE CRACKED CHIP PART

(1) Apply heat to the soldered portions of chip part using a soldering iron for about 2–3 seconds.
(2) If the chip part is faulty,it will be broken or cracked.

Caution: Do not leave soldering iron on the PCB too long as damage may occur to the PCB or the chip parts.

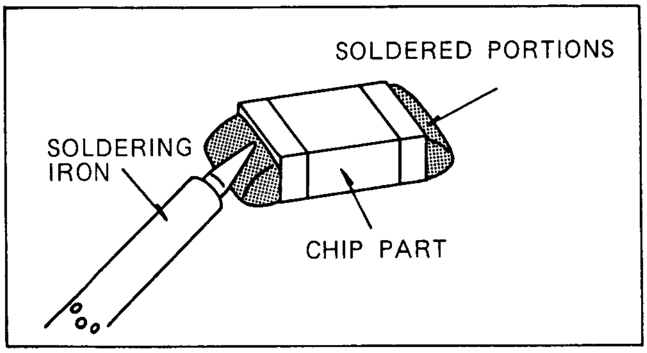

SOLDERED PORTIONS
SOLDERING IRON
CHIP PART

FIG. G1

Note: Regarding intermittent faults
The main causes of these faults are poor soldering and cracked chip parts.

1-2. HOW TO REPLACE THE CHIP PART

1) REMOVAL (RESISTOR, CAPACITOR, etc...)

(1) Presolder the one side of soldering portion for chip part and grasp the chip part by tweezers.

(2) Melt the presoldered portion. And then remove the chip part with a twisting motion while melting the soldering portion of another side quickly.

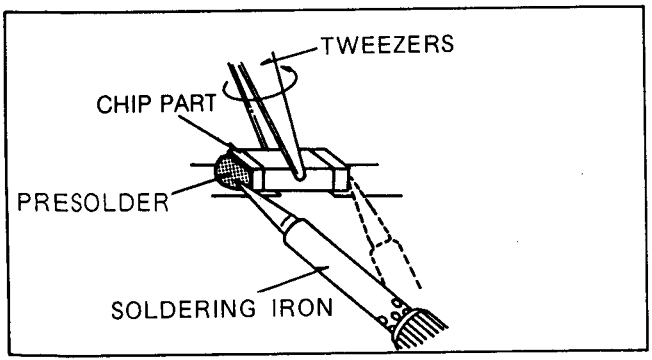

TWEEZERS
CHIP PART
PRESOLDER
SOLDERING IRON

FIG. G2

2) REMOVAL (transistor, diode, etc...)

(1) Grasp the chip part with tweezers and melt the solder of one lead.

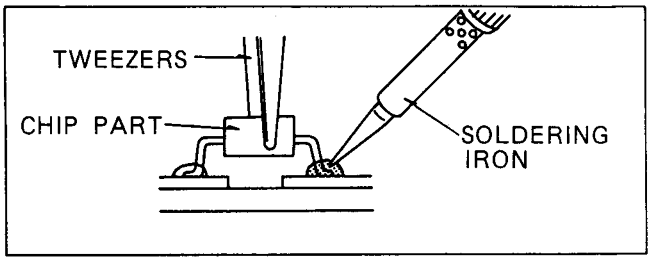

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G3

(2) Lift the side of that lead upward.

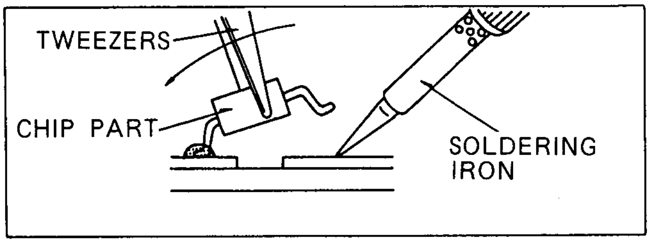

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G4

Caution: Do not lift the chip part too high as damage may occur to the PCB or the leads that are still soldered on the PCB.

(3) Simultaneously heat the solder of the two remaining leads and lift part to remove.

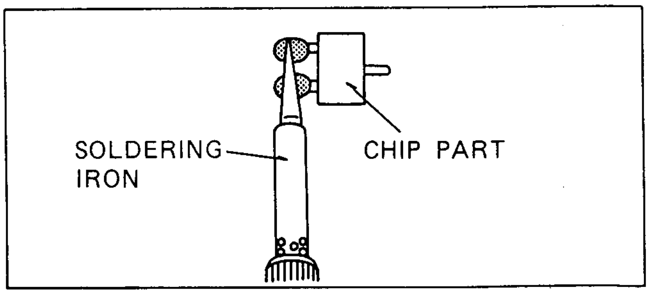

SOLDERING IRON
CHIP PART

FIG. G5

3) INSTALLATION

(1) Presolder the one side of contact point on the circuit board.

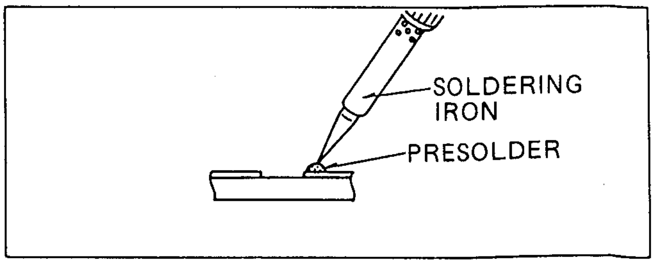

SOLDERING IRON
PRESOLDER

FIG. G6

(2) To install the chip part,hold in position using tweezers, apply heat to the pre-soldered portions using a fine tip soldering iron.
(3) Solder the other side of the chip part.
(4) Check your soldering.

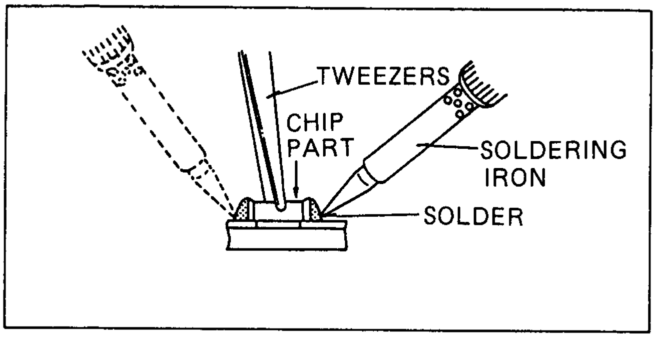

TWEEZERS
CHIP PART
SOLDERING IRON
SOLDER

FIG. G7

1-3. HOW TO REMOVE THE FLAT-IC

(WITH HOT-AIR FLAT-IC DESOLDERING MACHINE)

(FOR EXAMPLE)

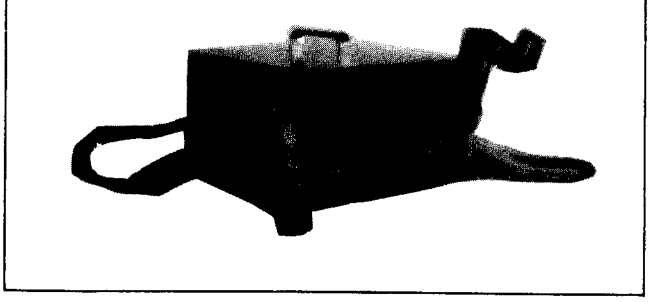


FIG. G8

(1) Prepare the HOT-AIR FLAT-IC DESOLDERING MACHINE. And then apply hot air to FLAT-IC about 5 ~ 8 seconds.

(2) Remove the FLAT-IC with tweezers while applying the hot air.

Caution:Do not supply the hot air to the chip parts around the Flat-IC for long time as as damage may occur to the chip parts around the Flat -IC.

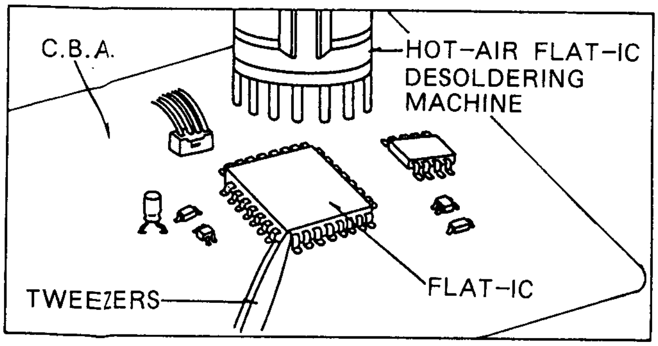

C.B.A.
HOT-AIR FLAT-IC DESOLDERING MACHINE
TWEEZERS
FLAT-IC

FIG. G9

(WITH SOLDERING IRON)

(1) Using solder braid remove the solder from all pins of the Flat-IC.
When you use the solder flux which is applied to all pins of the Flat-IC,you can remove it easily.

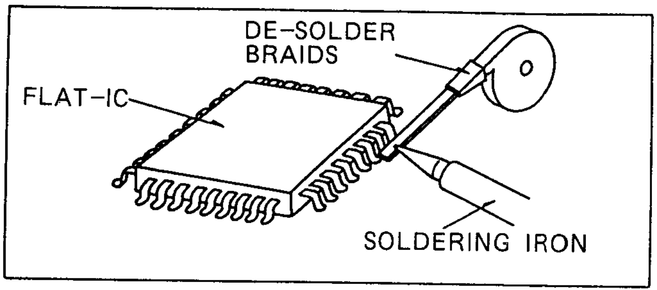

DE-SOLDER BRAIDS
FLAT-IC
SOLDERING IRON

FIG. G10

(2) Lift each lead of the Flat-IC upward one by one using a sharp pin or non solder wire(iron wire),while heating the pins using a fine tip soldering iron or a hot air blower.

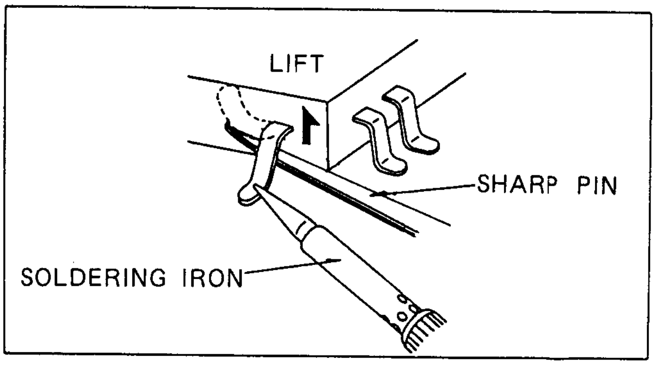

LIFT
SHARP PIN
SOLDERING IRON

FIG. G11

(WITH IRON WIRE)

(1) Affix the wire to workbench or solid mounting point as shown in FIG.G12.
(2) Pull up wire as the solder melts so as to lift the IC lead from the PCB contact pad, while heating the pins using a fine tip soldering iron or hot air blower.

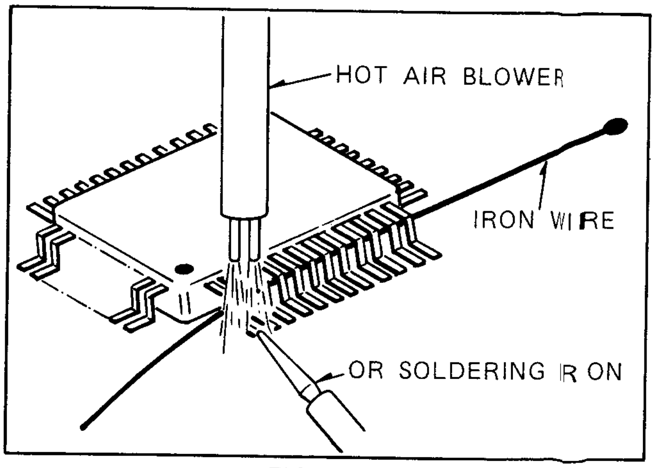

HOT AIR BLOWER
IRON WIRE
OR SOLDERING IRON

FIG.G12

Note:When using a soldering iron care must be taken to ensure that the Flat IC is not being held by glue before it is the PCB may be damaged if force is used.

SECTION 1
GENERAL DESCRIPTIONS

1-1. FEATURES

1-1-1. F/C (Full/Compact size VHS cassette) Compatible System.

- * Signal-Slot Switching System.
  This machine changes the cassette slot size to accommodate either full-size or compact VHS cassettes when the Cassette Select Button is pressed. Operation is exactly same as on conventional VTR.
- * F/C Compatible Loading System.
  This mechanism sets the tape guide to the appropriate position for either full-size or compact VHS cassettes.

1-1-2. IQ (Intelligent Quest) Mechanism

The IQ mechanism operates at high speed, with minimum jitter and high precision.

- * Intelligent Tape Tension Control System.
  By maintaining uniform tape tension, this control system helps reduce jitter and improve picture quality while protecting the tape.
- * 6-Motor Construction.
  The IQ Mechanism incorporates 6 motors for a quick and precise response. It greatly improves editing precision and operating speed.

1-1-3. Technology of High Quality Picture and Sound

- * Digital TBC (Time Base Corrector).
  Video signals are corrected to compensate for jitter caused by time base errors or generated during editing or dubbing. Error correction is performed by replacing the synchronizing signal to provide picture quality revealing the original.
- * Super-VHS System and The Amorphous Pro Head.
  S-VHS reproduces pictures in the finest detail with more than 400 lines of horizontal resolution. And the characteristics is further enhanced by Amorphous Pro Head.

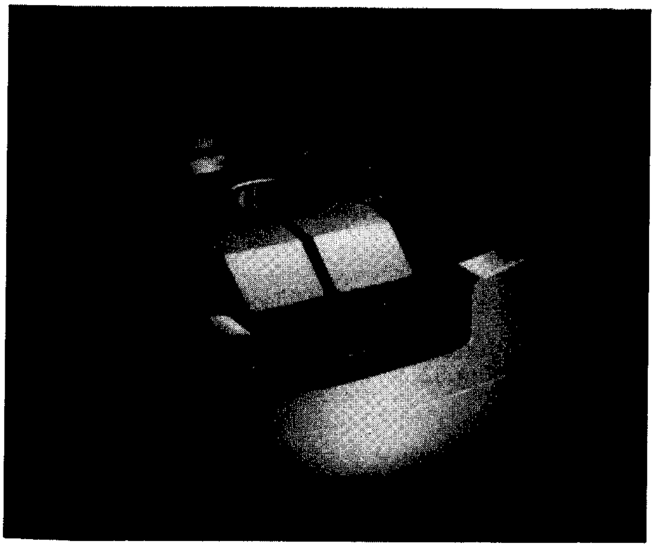


Fig. F1 Amorphous Pro Head.

- * 3-Line Logical Comb Filter.
  To perform perfect separation into luminance and chrominance signal for Super - VHS system.
- * Centred Mechanism.
  Centred mechanism with Audio/Video Independent Circuit Design reduces jitter and interference between audio and Video Signals.

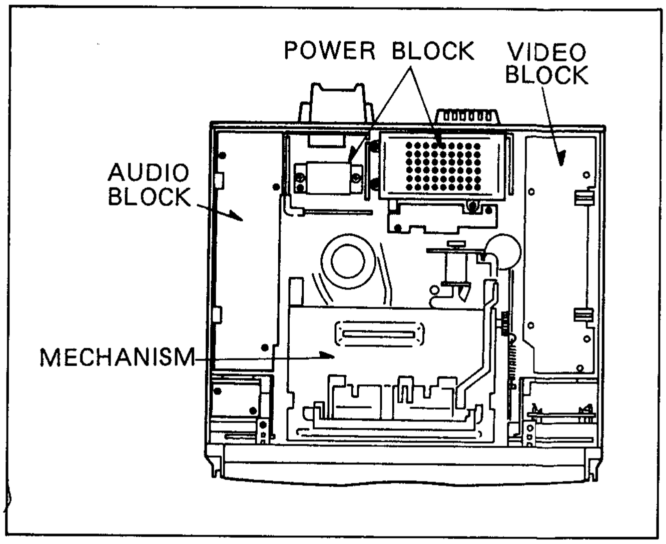


Fig. F2 Centred Mechanism.

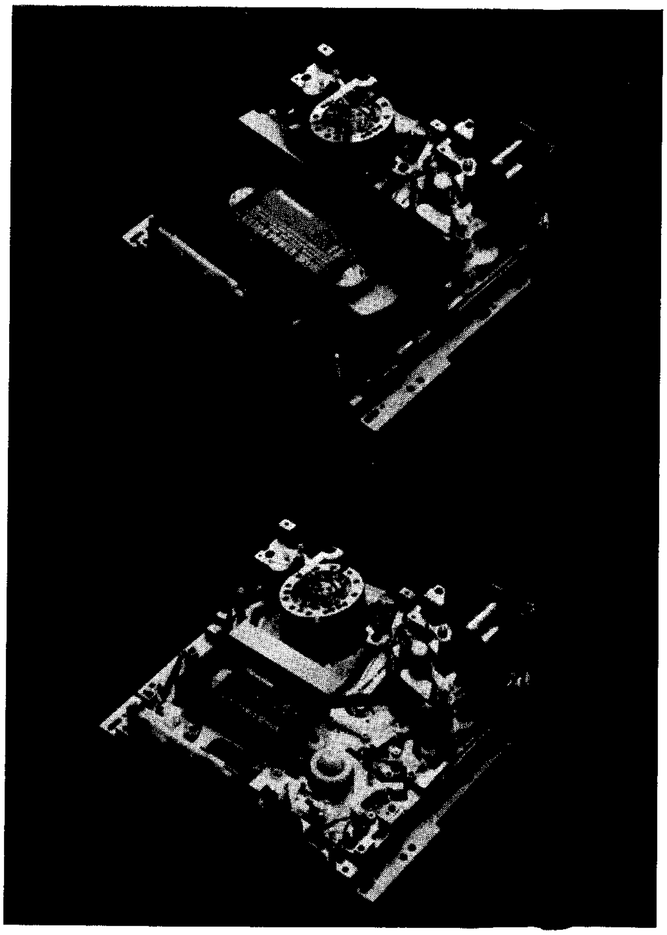


Fig. F3 Loading System.

1-2. TECHNICAL INFORMATION

1–2–1. Service position for Mechanism

To make service position, connect fixtures as shown in Fig.S1.

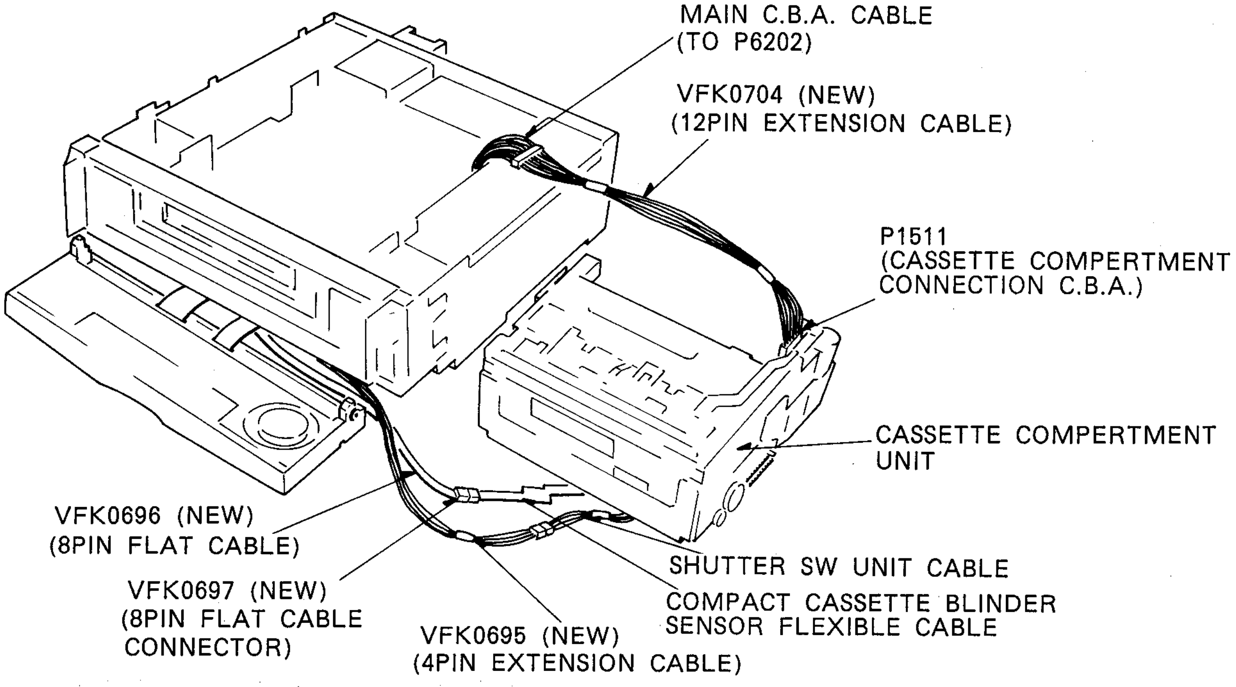

MAIN C.B.A. CABLE
(TO P6202)
VFK0704 (NEW)
(12PIN EXTENSION CABLE)
P1511
(CASSETTE COMPERTMENT CONNECTION C.B.A.)
CASSETTE COMPERTMENT UNIT
VFK0696 (NEW)
(8PIN FLAT CABLE)
VFK0697 (NEW)
(8PIN FLAT CABLE CONNECTOR)
VFK0695 (NEW)
(4PIN EXTENSION CABLE)
SHUTTER SW UNIT CABLE
COMPACT CASSETTE BLINDER SENSOR FLEXIBLE CABLE

Fig. S1

1. Remove the Side panel, Top panel, Bottom cover, Front panel and Door panel unit. (Refer to Disassembly method)
2. Remove the cassette compartment, and place it to side of main unit.
3. Connect the extension cables to cassette compartment as follows.

    * VFK0695 (P6818 to shutter SW connector)
    * VFK0696 (P6819)
    * VFK0697 (Connection for VFK0696 and C–cas. sensor)
    * VFK0704 (P1511 to connector from P6202)

4. Connect the main AC.
5. Select tape format mode by Cassette Selection Button.
(This condition can be checked mechanism mode change on each (mechanism section/cassette compartment section) independence movement)
6. Insert the selected cassette to slot.
(This condition can be checked for front loading operation)
7. After complete the front loading operation, normally mechanism proceed Loading and Play operation.
(This condition can be checked mechanism movement.)

* Caution:
Do not turn to sidewise the complete unit to check mechanical movement. Because sometimes cassette insertion and eject can not be operated correctly.
Also after remove cassette compartment, do not place it sidewise or up side down to check insertion, eject and mode change operation.

NOTE:
In case of selected Full size slot, and then if blinder panel is opened, unit is placeing to misoperation prevention(safety) mode.
This operation is caused by shutter sw condition. (Blinder open "L")

1–2–2. Service position for Video section

1. Connect fixtures to make service position as shown in Fig.S2.

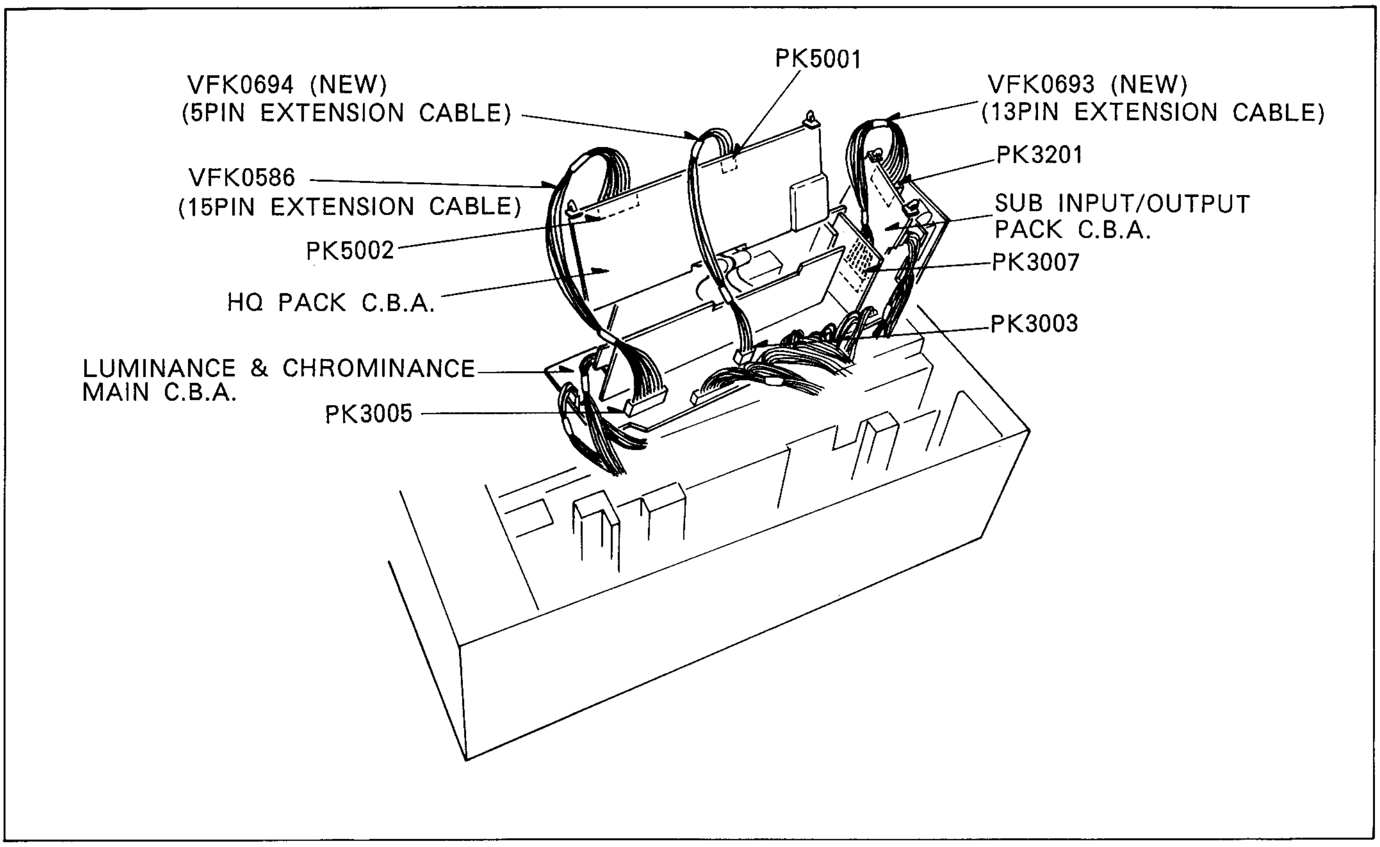

PK5001
VFK0694 (NEW)
(5PIN EXTENSION CABLE)
VFK0693 (NEW)
(13PIN EXTENSION CABLE)
VFK0586
(15PIN EXTENSION CABLE)
PK3201
SUB INPUT/OUTPUT
PACK C.B.A.
PK5002
PK3007
HQ PACK C.B.A.
PK3003
LUMINANCE & CHROMINANCE
MAIN C.B.A.
PK3005

Fig. S2

2. Connect the extension cables as follows.

   * VFK0693 (PK3201 to PK3007)
   * VFK0694 (PK5001 to PK3004)
   * VFK0586 (PK5002 to PK3005)

1–2–3. Mode/Service information Display

1. Connect the jumper wire between TP6010 and TP6011.
2. Select the counter mode for lap time counter by pressing Clock/Counter Selector.
3. Lap time counter indicates as shown in Fig.S3 (Full cassette mode) on initial condition.
4. Indication contents.

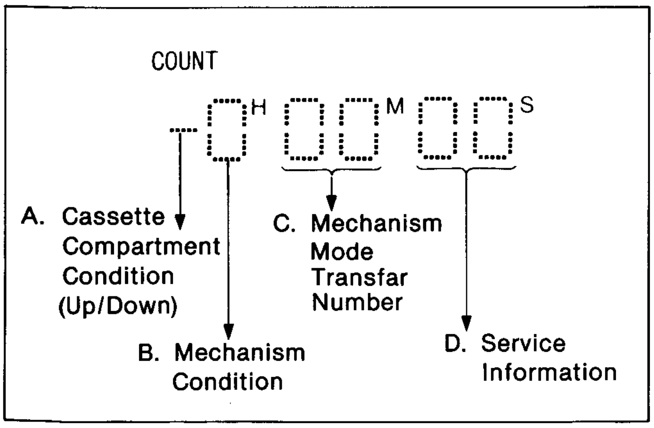

COUNT
-0H 00M 00S
A. Cassette Compartment Condition (Up/Down)
B. Mechanism Condition
C. Mechanism Mode Transfar Number
D. Service Information

Fig. S3

A. Cassette Compartment Condition Indicator.
   In case of Cassette compartment is up(Either Full or Compact), "–" is indicated. When its down, no indication on this segment.
B. Mechanism Condition Indicator.
   Holder position is indicated when cassette compartment is up.

   Full cassette eject mode................7
   Compact cassette eject mode............8

   Mechanism position is indicated when cassette compartment is down.

   Stop 1 (Half loading stop) position.....8
   Stop 2 (Loading stop) position.........._
C. Mechanism Mode Transfer Number Indicator.
   Number is changed by depending on mode movement.
D. Service Information Indicator.

   Normal.................................00
   Cylinder lock..........................01
   Reel lock..............................02
   Unloading lock.........................04
   Front loading lock.....................06
   Front loading motor lock during
   F/C mode change........................07
   Loading motor lock during
   F/C mode change........................08
   Solenoid open..........................09
   Full cassette blinder SW NG.............0U
   Compact size blinder SW NG.............0A
   Shutter SW NG..........................0–

1–2–4. Useful Service Mode (From Eject Mode)

1. Connect the jumper wire between TP2804 and TP GND. (Located on Servo VR C.B.A.)

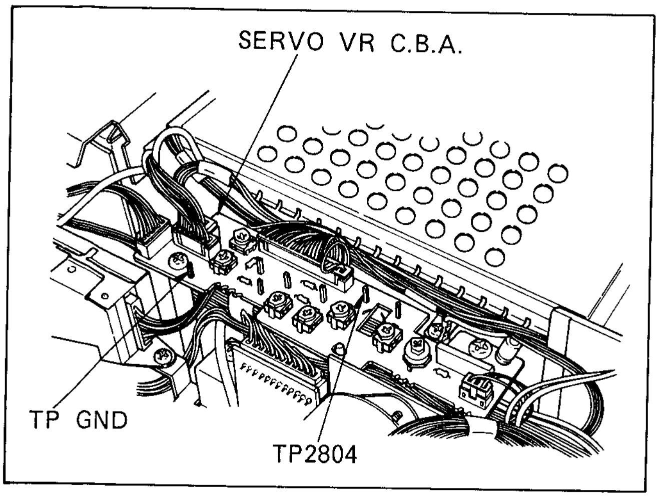


Fig. S4

2. Press STOP button and turn shuttle Ring. Then Front loading motor is driven according to shuttle Ring direction.
   (LEFT...FULL SIZE / RIGHT...COMPACT SIZE)
3. Press PLAY button and turn shuttle Ring. Then Loading motor is driven according to shuttle Ring direction.
   (LEFT...UNLOADING / RIGHT...LOADING)

* Caution
1. Do not keep loading, unloading, front loading and front unloading end position to prevent motor and mechanism damage.
2. In this mode mechanism and cassette compartment movements are completely separated. Be careful to make cassette down condition.

1-3. CONTROLS AND COMPONENTS

1–3–1. Front

❶ Audio Input Sockets

❷ Video Input Socket

❸ VTR On/Off Switch

❹ Synchro/Camera Switch

Synchro side of the switch is for Dubbing(Copying) with Synchro Connection Cord(VW–K1E). The another Camera side is for Camera Recording using Camera and its Start/Stop button (switch).

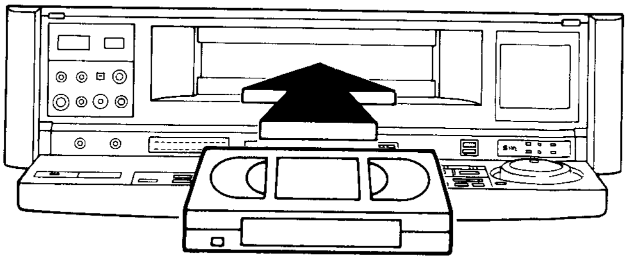
❺ Infra-red Remote Control Receiver

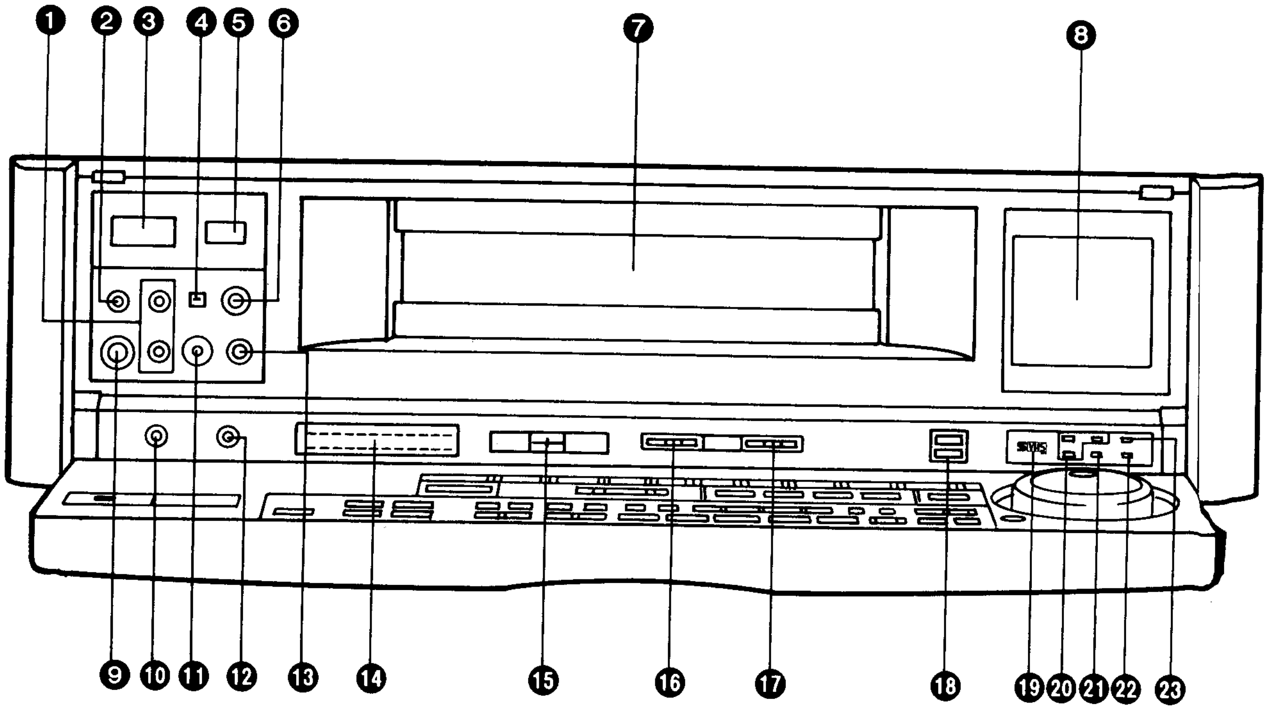
❻ Vertical Lock Control

If vertical jitter occurs during Still Playback, adjust the Vertical Lock Control.
A one–time adjustment should be all that is necessary.

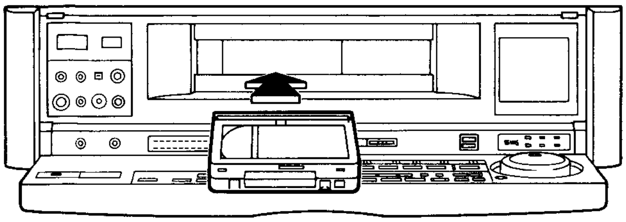
❼ Cassette Compartment

Full-size VHS Cassette



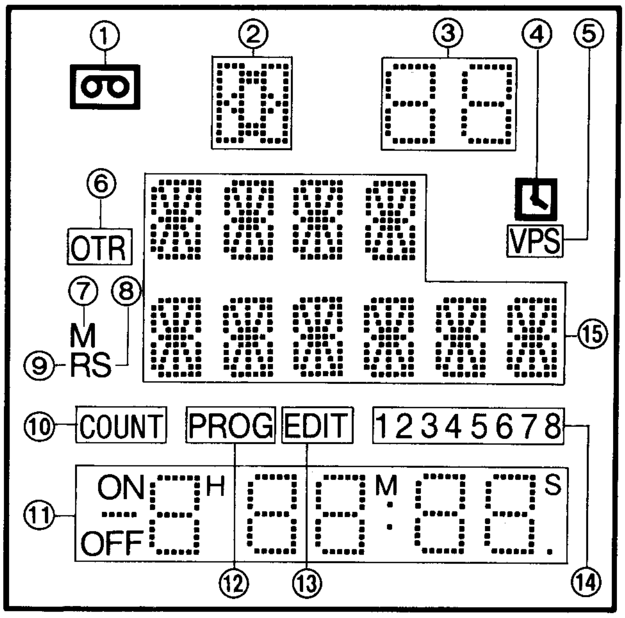


Compact VHS Cassette



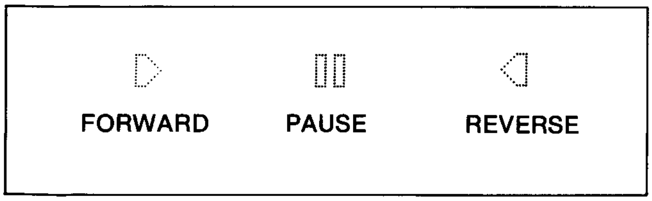
❽ Multi-function Display

Multi-Function Display


①
②
③
④
⑤
⑥
OTR
VPS
⑦ ⑧
M
⑨-RS
⑮
⑩-COUNT
PROG
EDIT
12345678
⑪
ON
H
M
S
OFF
⑫
⑬
⑭

① Cassette-in Indicator

② Tape Running Display


FORWARD
PAUSE
REVERSE

③ Channel Display

④ Timer Recording Indicator

⑤ VPS Indicator (NV−V8000EG/EB)

⑥ OTR Indicator

⑦ Memory Indicator

⑧ Search Indicator

⑨ Repeat Indicator

⑩ Counter Mode Indicator

⑪ Clock/Counter Indicator

⑫ Programme Indicator

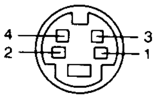
⑬ Edit Mode Indicator

⑭ Programme Number

⑮ Operation Status Display

❾ S-Video Input Socket

S-VIDEO IN



1 Y GND
2 C GND
3 Y SIGNAL
4 C SIGNAL

❿ Microphone Input Socket

⓫ Synchro/Camera Socket

Connecting socket for Synchro Connection Cord or Camera Remote.

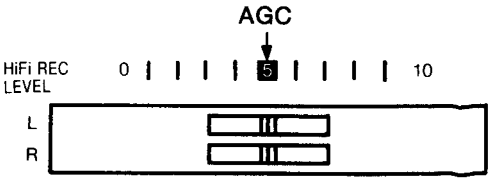
⓬ Headphones Socket

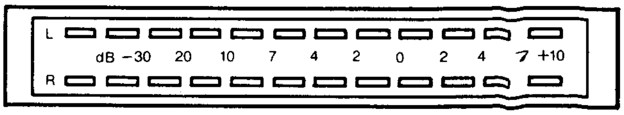
⓭ Headphones Output Level Control

⓮ Audio Level Meter

⓯ Hi-Fi Rec Level Controls

Setting the Audio Rec Level Controls to the centre "5" position (click stop) assures satisfactory audio recording results in most cases. When using the VTR as a hi−fi audio recorder or when producing your own video tapes, it may be desirable to adjust the Audio Rec Level Controls to some other position. (It is recommended to adjust so that peaks in the audio level reach about +5dB.)


AGC
HiFi REC LEVEL
0
5
10
L
R


L
dB −30 20 10 7 4 2 0 2 4 7 +10
R

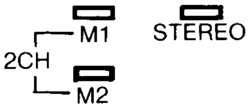
⑯ Picture Sharpnes Control

⑰ Colour Level Control

⑱ Cassette Selection Indicators

⑲ S-VHS Indicator

⑳ Audio Mode Indicators



NV-V8000B/EB

BILINGUAL
STEREO

NV-V8000EG

∗ Refer to the Tables shown below.

㉑ BGV Editing Indicator

㉒ TBC Indicator

㉓ Digital Tracking Indicator

When playback is started after inserting a cassette, and the VTR is turned on, the Digital Tracking function will be activated automatically, the Digital Tracking Indicator will flash for several seconds, and the tracking will be adjusted automatically (after the adjustment, the Digital Tracking Indicator will remain lit).

- * When the Digital Tracking Indicator is lit and the tape speed (SP/LP) is changed, the Digital Tracking function will be activated. However, when operating any function other than playback, insert editing and audio dubbing, this function will not work.
- * During playback, the Digital Tracking function will be activated whenever the playback changes over from an unrecorded part to a recorded part, provided the recorded part is longer than 4 seconds.

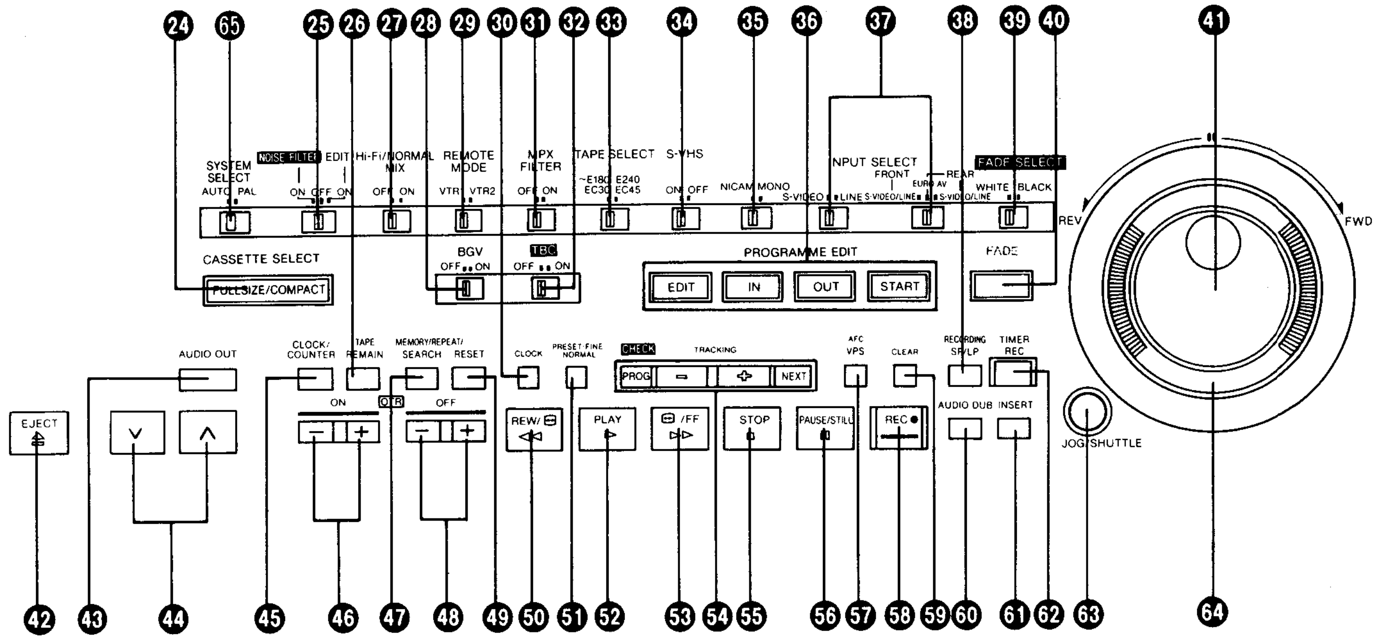
> * When the picture is distorted by noise bars, press the Tracking (+) or (−) Button to select manual tracking and adjust with these two buttons. The Digital Tracking Indicator goes out.
> To change back to Digital Tracking, press the Tracking (+) and (−) Buttons simultaneously.
> * The Digital Tracking function works only in the normal playback mode.

Type of broadcast	Nicam/Mono switch position / Audio track	Normal audio track (mono)	Hi-fi audio track	
			L	R
Regular broadcast (standard audio)	Either position	Standard audio	Standard audio	Standard audio
Regular+NICAM stereo (L, R)	NICAM	Standard audio	Stereo L	Stereo R
	MONO	Standard audio	Standard audio	Standard audio
Regular+NICAM dual mono (M1, M2)	NICAM	Standard audio	M1	M2
	MONO	Standard audio	Standard audio	Standard audio
Regular+NICAM mono	NICAM	Standard audio	M1	M1
	MONO	Standard audio	Standard audio	Standard audio

Note: NICAM audio programmes cannot be recorded on the normal audio track.

	Playback of Programmes Recorded on this VTR (or another VHS Hi-Fi Video Recorder)			Playback of Programmes Recorded on a Conventional VHS Stereo Video Recorder	
	Stereo Programmes	Bilingual Programmes	Mono Programmes	Stereo Programmes	Bilingual Programmes
STEREO	Left+Right Channels (Stereo)	CH1 from Left CH2 from Right	Mono	———	———
LEFT	Left Channel	Channel 1 (Main)	Mono	———	———
RIGHT	Right Channel	Channel 2 (Sub)	Mono	———	———
NORMAL	Mono	Channel 1 (Main)	Mono	Left+Right Mixed	CH1+CH2 Mixed

1-3-2. Operation Panel


24
65
25
26
27
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29
30
31
32
33
34
35
36
37
38
39
40
41
SYSTEM SELECT
AUTO PAL
NOISE FILTER
EDIT
ON OFF ON
Hi-Fi/NORMAL MIX
OFF ON
REMOTE MODE
VTR1 VTR2
MPX FILTER
OFF ON
TAPE SELECT
~E180 E240
EC30 EC45
S-VHS
ON OFF
NICAM MONO
INPUT SELECT
FRONT
REAR
S-VIDEO LINE S-VIDEO/LINE EURO AV S-VIDEO/LINE
FADE SELECT
WHITE BLACK
CASSETTE SELECT
FULLSIZE/COMPACT
BGV
OFF ON
TBC
OFF ON
PROGRAMME EDIT
EDIT
IN
OUT
START
FADE
REV
FWD
AUDIO OUT
CLOCK/COUNTER
TAPE REMAIN
MEMORY/REPEAT/SEARCH
RESET
CLOCK
PRESET FINE NORMAL
CHECK
TRACKING
PROG
NEXT
AFC VPS
CLEAR
RECORDING SP/LP
TIMER REC
EJECT
ON
OTR
OFF
REW/
PLAY
/FF
STOP
PAUSE/STILL
REC ●
AUDIO DUB
INSERT
JOG/SHUTTLE
42
43
44
45
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50
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64

㉔ Cassette Selection Button

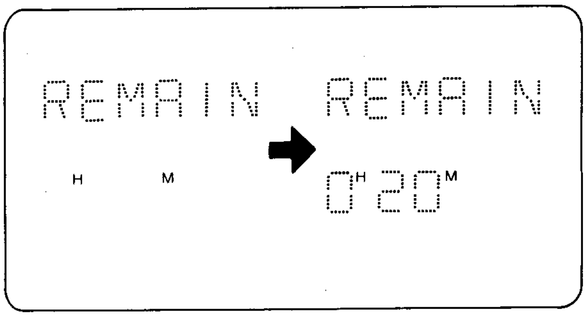
㉕ Noise Filter/Edit Selector

EDIT ON: For editing operations such as dubbing.
OFF: For ordinary use of the VTR.
NOISE FILTER ON: For playback of tapes with inferior picture quality caused, for example, by repeated dubbing.

- * When the Noise Filter/Edit Selector is set to "EDIT ON", the picture sharpness cannot be adjusted with the Picture Sharpness Control.
- * When playing back S-VHS recordings, the "NOISE FILTER ON" position will have no effected.

㉖ Tape Remain Button

When the Tape Remain Button on the VTR(or the Tape Remain Button on the Remote Controller) is pressed, the approximate remaining tape time will be displayed in hours and minutes.


REMAIN
H
M
REMAIN
0H 20M

- * The Remaining Tape Time Indication will remain displayed even after the tape is ejected. However, when next inserting a cassette, this indication will be cancelled.
- * This functions lets you know the remaining tape time even during Rewind and Fast Forward Operations.
- * If this button is pressed while the VTR is in the stop mode, playback will start automatically and continue until the remaining tape time has been calculated and is displayed, and the VTR will then switch over to the stop mode again.
- * To return to the Tape Counter indication, press the Tape Remain Button again.
- * When the Remaining Tape Time Indication is shown, the "M","R","S" and "RS" indications will disappear and respective functions will not work.

㉗ Hi-Fi/Normal Mix Switch

Set this switch to "On", if you want both the "Hi-Fi" sound and the "normal" sound to be played back mixed together.
* The mixed sound may not be very clear.
Always set this switch to "Off", except when playing back a tape on which the insert editing or audio dubbing was performed.

㉘ BGV(Background Video) Switch

When the BGV Switch is set to "ON" and the following operations are performed, pictures and/or sounds marked with "○" are recorded.

Operation	Picture	Hi-Fi Sound	Normal Sound
Normal Recording	×	○	○
Audio Dubbing	×	×	○
Insert Editing	○	×	×
AV Insert Editing	○	×	○

- Make sure to set the BGV Switch to "OFF" after finishing the BGV editing operation.

Background Video (BGV)

The hi-fi sound is normally recorded simultaneously with the picture signals.
However, with this BGV function, first the hi-fi sound can be recorded(normal sound can be recorded simultaneously) and then the picture can be recorded.

Operation Principle of the BGV Editing Function:

Record the sound with the BGV Switch set to "ON".
* No picture will be recorded.

↓

Insert the picture with the BGV Switch set to "ON".
* No hi-fi sound will be recorded.

↓

Set the BGV Switch to "OFF".

Cautions

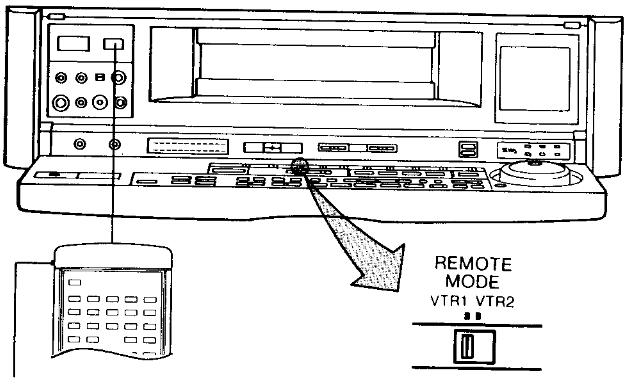
* When using the BGV editing function to insert new pictures on a tape on which pictures have already been inserted previously, rainbow-like noise will subsequently appear during playback of that tape portion.
Therefore, do not repeatedly insert pictures on the same part of the tape with the BGV editing function.

* When using the BGV editing function to insert pictures on a tape on which pictures have previously been recorded, rainbow-like noise will subsequently appear during play-back of that tape portion.
When using the BGV function to insert pictures, use a tape on which only sound has been recorded.

* When not performing BGV editing, the BGV Switch must always be in the "OFF" position.

㉙ Remote Control Mode Select Switch

This VTR can be remote controlled with two types of signals. These signals are called Remote Control Mode "VTR 1" and "VTR 2".



Remote Control Mode Select Switch

When the Remote Control Mode Select Switch on the VTR is set to "VTR 1", the Remote Control Mode Select Switch on the Remote Control must also be set to "VTR 1".

㉚ Clock Button

㉛ MPX Filter Switch

* If the sound is impaired by high frequency distortion when recording from an FM tuner, set the MPX Filter switch to "On". If there is no distortion when recording from an FM tuner, and for all other recordings, set this switch to "Off".

㉜ TBC Switch

When the tape in the cassette is loose or damaged, or when the tape movement is unstable during recording or playback, the playback picture may shake from side to side and the picture may become distorted. In this case, activate the Time Base Corrector by setting the TBC Switch to "ON", and the picture will become stable and the shaking will be minimized.

* In normal use, set the TBC Switch to "ON".

* During playback of some pre-recorded tapes, the picture may shake vertically. In such a case, set the TBC Switch to "OFF".

㉝ Tape Select Switch

To obtain a correct Remaining Tape Time indication when using an NV-E240 or NV-EC45 video cassette tape, this switch must be set to the "E240/EC45" position.
When using NV-E30,60,90,120,180,195 or NV-EC30 video cassette tapes, set this switch to the "~E180/EC30" position.
If cassettes with other tape lengths than the above are used, the Remaining Tape Time indication will not be precise.

㉞ S-VHS Selector

㉟ Nicam/Mono Switch

When a NICAM programme is being received, this switch can be used to select the desired type of sound to be recorded on the hi–fi audio track. To record a NICAM programme, this switch must be set to "NICAM".

Note:
If NICAM broadcast signals are weak, the sound quality deteriorates remarkably. When the signals are extremely weak, the Audio Recording Mode Indicators (M1,M2,STEREO) go off and the FM sound is recorded on the hi–fi track irrespective of the setting of this switch.

* If the Nicam/Mono Switch is intentionally set to "MONO" even through a NICAM programme is being received, the indicator(s) remain lit.
* To record the regular sound (ordinary normal sound) on the FM audio tracks when a NICAM programme is received, set the Nicam/Mono Switch to "MONO".
* When a NICAM programme is received and the sound is distorted due to inferior reception conditions, set the Nicam/Mono Switch to "MONO".

Important Note for NICAM System

When your VTR is first switched on, it will automatically receive stereo broadcasts if they are being transmitted.
When the broadcasting authorities are carrying out test transmissions, it is therefore possible that the sound received will be different from the programme being viewed.
In order to receive co–ordinated sound and vision select the mono sound using the Remote Control "AUDIO OUT" select or the "NICAM/MONO" switch on the VTR.
This will only apply until the stereo broadcast transmissions are fully operational.

㊱ Programme Editing Buttons

Refer to Remote Control Section.

㊲ Input Signal Selector Switches

㊳ Tape Speed Button

㊴ Fade Selector Switch

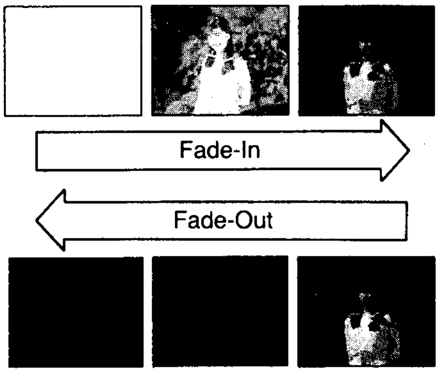
㊵ Fade Button

During recording, fading in and fading out of both picture and sound can be performed at the push of a button. This function does not work during playback.
By setting the Fade Selector Switch to "WHITE" or "BLACK", fading to/from white or fading to/from black can be selected.

Fade–In
Press the Fade Button in the Recording Pause mode.
* The recording starts.
* The picture will be faded in from white(or black) as soon as the recording starts, and the picture appears gradually. The sound volume will gradually increase up to the normal sound level.

Fade–Out
Press the Fade Button during recording at the point where you want to fade out.
* The picture will slowly disappear into black(or white). The sound volume will gradually decrease.
* When the fading–out is finished, the VTR will automatically switch over to the recording pause mode, and the fade–out function will be terminated.
* When pressing the Pause/Still Button in the recording pause mode, normal recording will start. To stop the recording, press the Stop Button.

Fading to/from White



Fading to/from Black

Note:
If the Fade Button is pressed while receiving SECAM signals, the colours of the picture will be distorted.

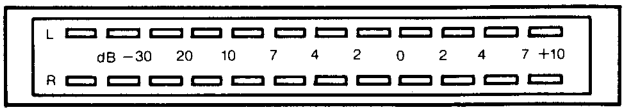
㊶ Jog Dial

* Every turn of approx. 30'will advance or reverse the tape by one field.
* A turning speed of the Jog Dial of more than 3 rotations per second corresponds to the normal playback speed.

㊷ Eject Button (▲)

㊸ Audio Output Selector Button

At the every push of this button, the audio output mode changes as follows:



→ Stereo→ Left→ Right→ Normal audio track

and the Left and Right Indicators show which sound mode is selected in the following way.

Stereo: Both the Left and Right Indicators are lit.
Left: The Left Indicator is lit.
Right: The Right Indicator is lit.
Normal: Both the Left and Right Indicators are not lit.

- * If a video cassette recorded on this VTR with stereo or bilingual sound is played back on a conventional VHS video recorder, the sound will be reproduced from the normal audio track(in mono).
- * Audio reproduction of linear(conventionally recorded) stereo tapes will be monaural when played back on the FM Hi-Fi video recorders.

(44) Programme Position Up and Down Buttons

(45) Clock/Counter Selector

(46) OTR On Buttons

(47) Memory/Repeat/Search Button

(48) OTR Off Buttons

(49) Reset Button

(50) Rewind ◀◀/Review (◀◀) Button

(51) Preset/Fine/Normal Button

(52) Play Button (▶)

(53) Fast Forward ▶▶/Cue (▶▶) Button

(54) Timer Controls

(55) Stop Button (■)

(56) Pause/Still Button (❚❚)

(57) AFC/VPS Button (NV-V8000EG/EB)

(58) Record Button (●)

(59) Clear Button

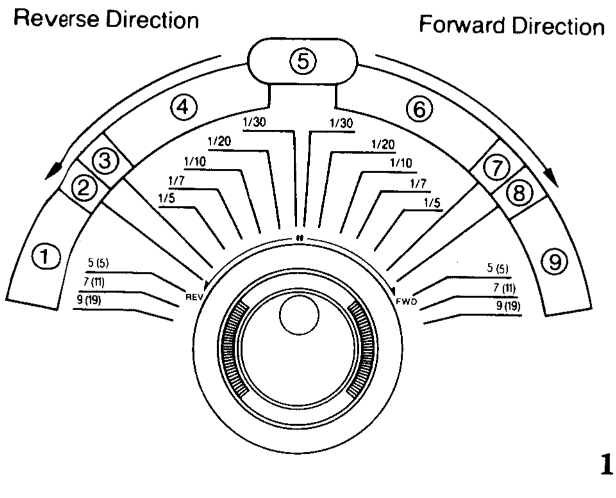
(60) Audio Dubbing Button

(61) Timer Record Button

(62) Jog/Shuttle Button

(63) Shuttle Ring

Shuttle Ring Setting and Corresponding Playback Speed and Direction

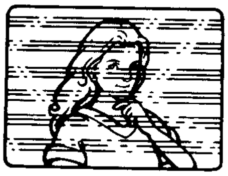


Playback Mode	Indication
① Review Playback	◁ SP REV
② Double Speed Reverse Playback	◁ SP X2
③ Reverse Playback	◁ SP PLAY
④ Reverse Slow Motion Playback	◁ SP SLOW
⑤ Still Playback	❚❚ SP PLAY
⑥ Slow Motion Playback	▷ SP SLOW
⑦ Normal Playback	▷ SP PLAY
⑧ Double Speed Playback	▷ SP X2
⑨ Cue Playback	▷ SP CUE

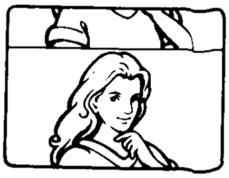
Note:
By tuning the shuttle ring, a desired Playback mode can be selected while observing the Playback mode indicator on the Multi-Function display.

- * The Figures on the Shuttle Ring Scale Indicate Multi-ples and Fractions of the Normal Playback Speed.
  The Cue and Review playback speed will be different for recordings made in the SP and LP mode. The figures in parenthesis ( ) indicate the speed for recordings made in the LP mode.
- * If Cue or Review playback continues for more than 10 minutes, the VTR will automatically switch over to the normal playback mode. If the Still and Slow playback continues for more than 5 minutes, the VTR will automatically switch lover to the stop mode.
- * To return to normal playback, press the play Button (▶) or the Jog/Shuttle Button.

The following may happen except during Slow and Normal playback in forward direction.



- Horizontal noise bars may appear in the picture, as shown above, or the top of the picture may become distorted.



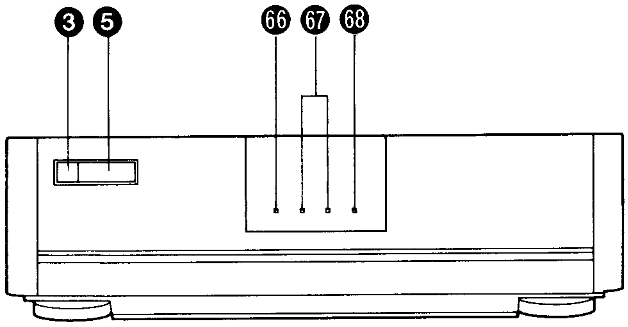
- When the picture rolls vertically, adjust the vertical hold control on the TV set.

Still and Slow Playback.

- * Depending on the TV set used, it may not be possible to obtain a proper picture during Still and Slow playback.
- * If the TV set is equipped with an automatic vertical hold control, the picture may shake vertically. In this case, set the TV set's vertical hold(AUTO/MANUAL) selector to the "MANUAL" position, and adjust its vertical hold control.
- * When changing over from Review Search to Still playback,the picture will reverse by a few frames approx. 2 seconds later.

(65) System Select Switch

This switch is normally set to the AUTO position. The VTR will automatically select the correct TV system for the selected station.
The PAL position is to be used for recording and playback of programmes in the PAL system.

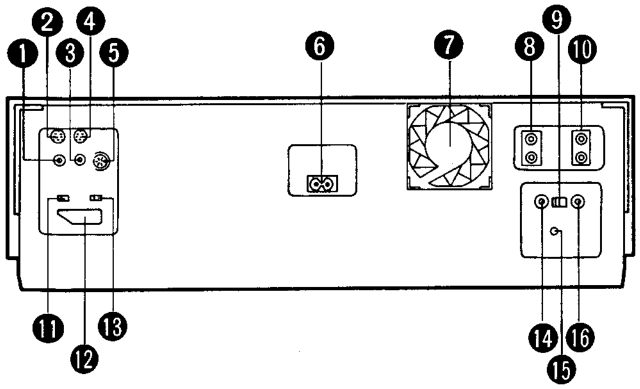


(66) VTR On Indicator

(67) Cassette Selection/Stand-By Indicators

(68) Timer Recording Indicator

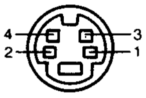
1-3-3. Rear



① Video Input Socket

② S-Video Input Socket

S-VIDEO IN



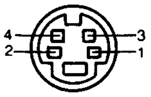
IN—S-VIDEO

1. Y GND
2. C GND
3. Y SIGNAL
4. C SIGNAL

③ Video Output Socket

④ S-Video Output Socket

S-VIDEO OUT

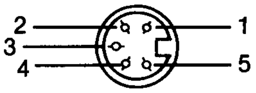


S-VIDEO—OUT

1. Y GND
2. C GND
3. Y SIGNAL
4. C SIGNAL

⑤ Editing Control Socket

EDITING CONTROL



EDITING CONTROL

1. NOT USED
2. SERIAL DATA
3. GND
4. SERIAL CLOCK
5. POWER (DC5V)

⑥ AC Mains Lead Socket

⑦ Fan Motor

⑧ Audio Input Sockets

⑨ RF Signal Level Switch (NV-V8000B)

Used to attenuate the reception of the UHF aerial signals. If the reception is normal, set to "HIGH". If the signal is strong (stripes appear in the upper part of the picture), set to "LOW".

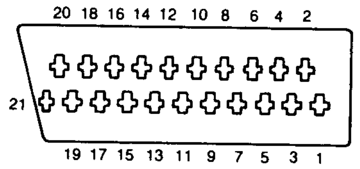
⑩ Audio Output Sockets

⑪ Normal/Y/C Selector

NOR: Normally set to this position.
Y/C: Set this position when connecting the VTR to a TV set equipped with 21-Pin AV Connector with Pins for separate Y/C signal input.

⑫ 21-pin AV Socket

Connections of the 21-pin AV Socket



NOR	Y/C
1 AUDIO OUTPUT CH2 (R)	1 AUDIO OUTPUT CH2 (R)
2 AUDIO INPUT CH2 (R)	2 AUDIO INPUT CH2 (R)
3 AUDIO OUTPUT CH1 (L)	3 AUDIO OUTPUT CH1 (L)
4 AUDIO GND	4 AUDIO GND
5 No connection	5 No connection
6 AUDIO INPUT CH1 (L)	6 AUDIO INPUT CH1 (L)
7 No connection	7 No connection
8 SWITCHING VOLTAGE	8 SWITCHING VOLTAGE
9 No connection	9 No connection
10 No connection	10 No connection
11 No connection	11 No connection
12 No connection	12 No connection
13 No connection	13 No connection
14 No connection	14 No connection
15 No connection	15 C OUT
16 No connection	16 No connection
17 VIDEO GND	17 VIDEO GND
18 No connection	18 No connection
19 VIDEO OUTPUT	19 Y OUT
20 VIDEO INPUT	20 VIDEO INPUT
21 GND	21 GND

⑬ Search with Sound/Test Signal Switch

To be able to hear the sound in the search modes, set the Search with Sound/Test Signal Switch on the rear panel to "ON". If it is set to "OFF", no sound will be reproduced.

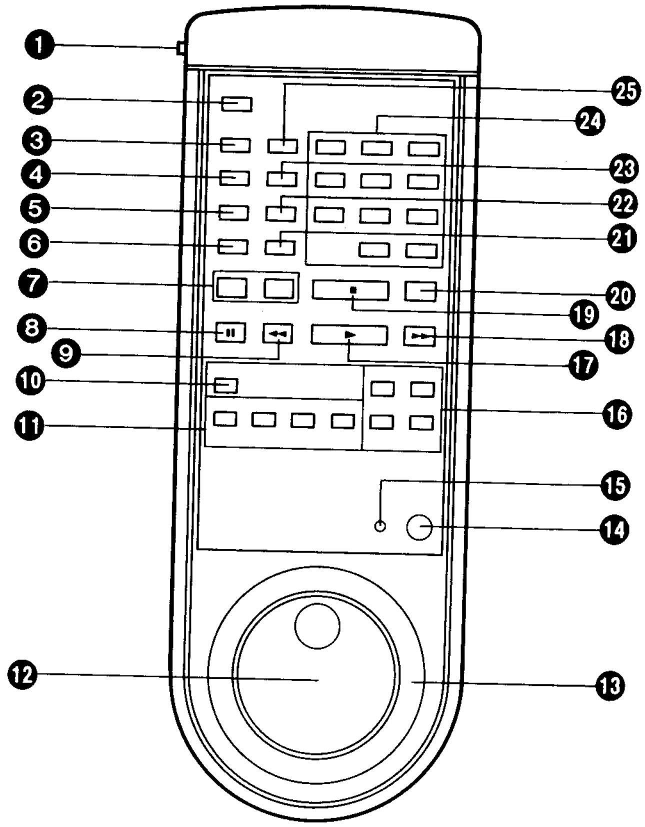
- * When the Search with Sound/Test Signal Switch is in the "ON" position, sound is also produced in all the special playback functions except still playback.
- * The sound from the normal sound track is reproduced.

⑭ RF Input Socket

⑮ Video Playback Channel Adjustor

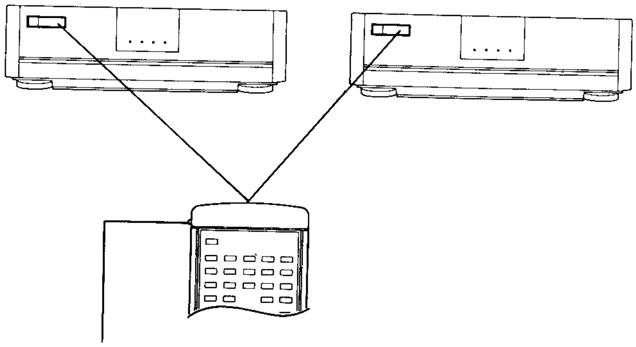
⑯ RF Output Socket

1-3-4. Remote Controller



❶ **Remote Control Mode Select Switch**

Remote Control Mode "VTR 1"	Remote Control Mode "VTR 2"



When the Remote Control Mode Select Switch on the Remote Controller is set "VTR 1" the VTR on the left can be operated. When the Remote Control Mode Select Switch is set to "VTR 2", the VTR on the right can be operated.

In case of VTRs with switchable remote control modes, set a different remote control mode for each of the VTRs so that they can be operated individually with the same Remote Controller.

Panasonic VTRs without remote control mode switch operate in "VTR 1" mode only.

❷ VTR On/Off Button

❸ Audio Output Selector

❹ Memory/Repeat/Search Button

- * Search Function.
  Press the Memory/Repeat/Search Button repeatedly until "S"(Search) lights up. With the VTR in the playback mode, it is now possible to perform fast picture search for about 10 minutes in forward or reverse direction. The corresponding button(Cue or Review) does not need to be kept pressed in this function.

- * Repeat Function.
  Press the Memory/Repeat/Search Button so that the Repeat Indicator "R" light up. With the VTR in the playback mode, it is now possible to perform the Repeat Playback. When the playback tape reached the end portion, it will automatically be rewound to the beginning of the tape and playback will then start again.

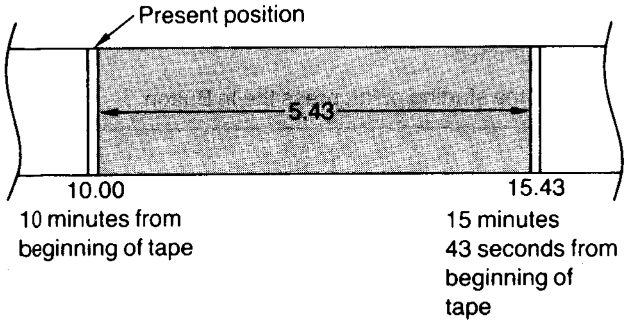
- * Memory Function.
  The Memory function makes it simple and fast to find a certain position on the tape later again, simply by pressing the Reset Button at that position to set the tape counter to "0 H 00 M 00 S" and by pressing the Memory/Repeat/ Search Button. During Rewind or Fast Forward, the tape will then stop at approximately the desired position.

- * Intro Scan Function.
  The Intro Scan function plays back the first 10 seconds of each programme(recorded with index signal) on a tape one after another. This is convenient for quick checking what programmes are on a tape, or to find the desired instalment of a TV series you have recorded on a tape.

❺ Reset Button

❻ Time Search Button

The Time Search function makes it possible to quickly advance the tape from any position by inputting the exact desired amount of playback time of the part that you want to skip.


Present position
5.43
10.00
10 minutes from beginning of tape
15.43
15 minutes 43 seconds from beginning of tape

❼ Record Buttons (●)

❽ Pause/Still Button (❚❚)

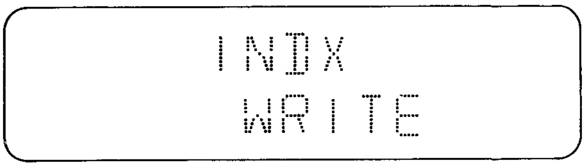
❾ Rewind ◀◀/Review [◀◀] Button

❿ Index Button

With the VHS Index Search function, up to 99 addresses (place where index signals are recorded) can be skipped to directly locate the beginning of the desired programme in both forward and reverse direction in the Fast Forward or Rewind mode.

Recording of Index Signals

While recording an index signal, the indication "WRIGHT" on the Multi–function Display lights up for a few seconds.

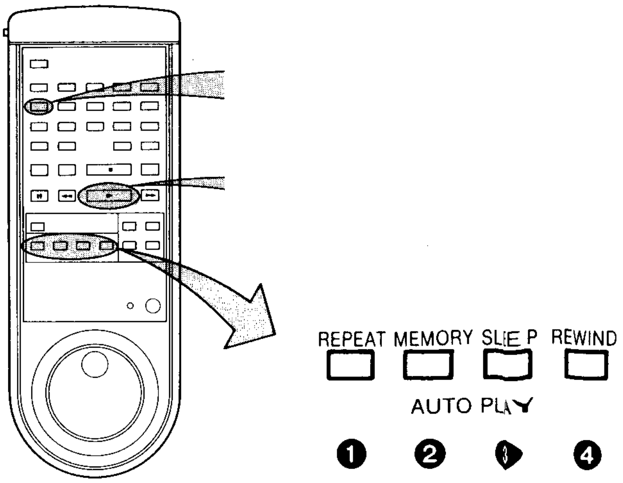


Index signals will be recorded automatically in the following cases:

- * At the tape position at which the Record Button is pressed to start recording.
- * At the tape position at which an OTR recording is started.
- * At the tape position at which a Timer Recording is started.

> - * When activating the VHS Index Search function from the Still playback mode, the Playback mode, the Playback will start when the selected programme is reached.
> - * If the VHS Index Search function is started extremely close to the beginning of the next programme(place where an address signal is recorded) or from the beginning of the tape, the first address may not be counted.
> - * If there are unrecorded parts on the tape, or if recordings have repeatedly been made on the same tape portion, the VHS Index Search function may not work correctly.

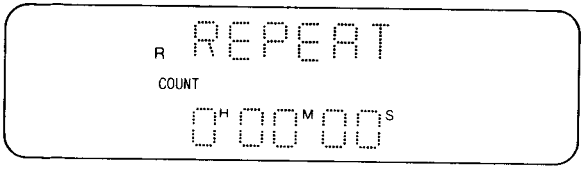
⓫ Auto Play Buttons



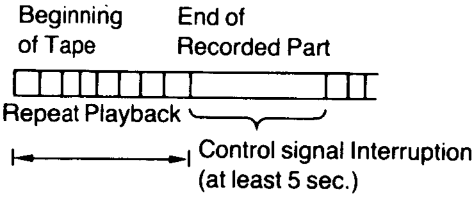
The following convenient automatic playback operations can be activated simply by pressing a single button on the Remote Controller.

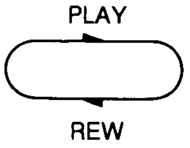
① Repeat Playback.

When the Repeat Button is pressed, the "R" Mark in the Multi-Function Display on the VTR will light up and playback will start. When the tape reached the end of its recorded portion, it will automatically be rewound to the beginning and playback will then start again. This process will be performed repeatedly.



* The playback will continue until the VTR detects the end of the video recording(no control signal for more than 5 seconds). At this point, the tape will be rewound to the beginning and the playback will be repeated.





- If the interruption of the control signal is less than 5 seconds, the playback will continue (no rewind from this point and repeat).

To stop the Repeat Playback, press the Stop Button.

② Memory Playback.

When the Memory Button is pressed while the VTR is in the Stop mode, and the tape is then fast-forwarded or rewound, it will be stopped at the tape counter position "0 H 00 M 00 S" and playback will then start from that position.

③ Sleep Playback

When the Sleep Button is pressed, playback will start. As soon as the tape reaches its end, it will automatically be rewound to the beginning, and the VTR will then turn itself off.

④ Rewind Playback.

When the Rewind Button is pressed, the tape will be rewound. As soon as the beginning of the tape is reached, playback will start automatically.

⑫ Jog Dial

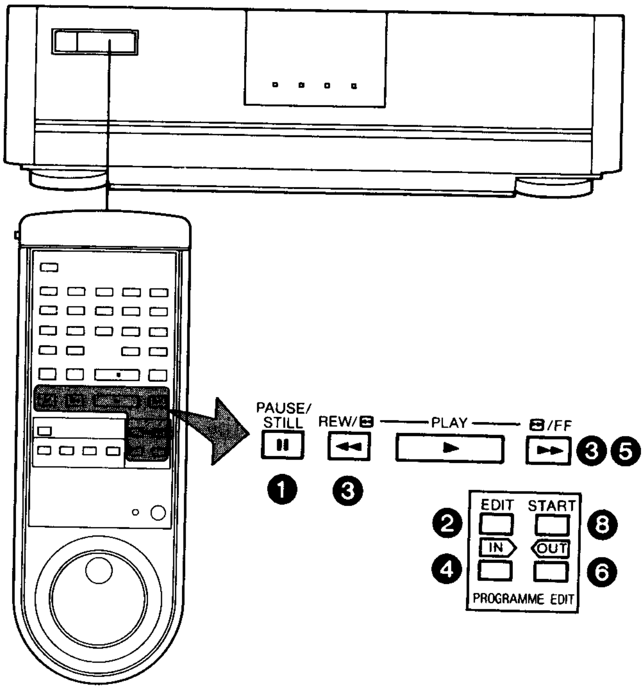
⑬ Shuttle Ring

⑭ Jog/Shuttle On/Off Button

⑮ Jog/Shuttle Indicator

⑯ Programme Editing Buttons

With this function, programmed automatic editing can be performed between two NV-V8000.



Preparation

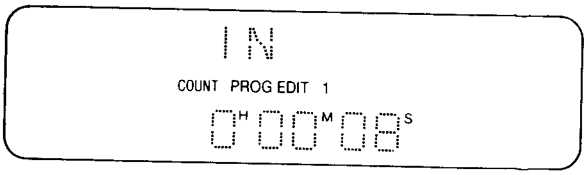
- Use this unit as playback VTR and connect it with another VTR.
- Connect the Synchro Edit Cable (optional).
- Set the Synchro/Camera Switch to "CAMERA".
- Insert the source cassette into this VTR and put it in the playback mode.

① Press the Pause/Still Button for this VTR.
- The VTR is in the still playback mode.

② Press the Edit Button.
Select the programme number for the editing sequence to be programmed by pressing this button repeatedly.
A programme number between 1 and 4 can be selected.

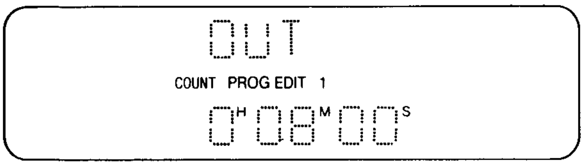
③ Press the REW/⊟ Button or ⊟/FF Button to locate the starting point for the editing sequence to be programmed.

④ At the starting point, press the In Button.



⑤ Press the ⊟/FF to locate the ending point for the editing sequence to be programmed.

⑥ At the ending point, press the Out Button.



⑦ Put the recording VTR in the recording pause mode.

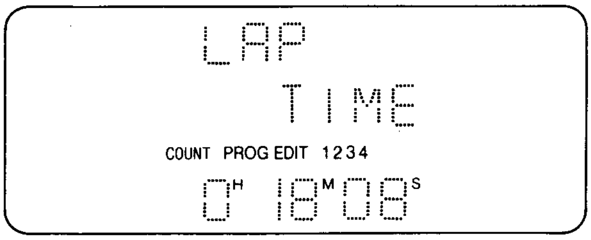
⑧ Press the Start Button.
- The programmed editing starts.
- The programme number flashes during editing.

When the Editing Is Finished:
- The VTR is in the still playback mode.
- The programmed editing sequence will remain in memory until it is cancelled.

To Terminate the Programmed Editing Function:
- Press the Stop Button.

To Perform Programmed Editing of Several Sequences in a Single Operation:
Repeat operation steps ③ to ⑥ for each of the editing sequences.
Programmed editing of up to 4 sequences is possible at a time.

To Confirm the Editing Time of the Programmed Editing Sequences
Press the Clock/Counter Button to display the Counter Indication, and then press the Edit Button.
At every push of the Edit Button, the editing time for each programmed editing sequence will be displayed, and subsequently the total editing time will be displayed. After that, the normal Counter Indication will again be displayed.



To Cancel Programmed Editing Sequences:
Press the Edit Button repeatedly in the still playback mode to display the programme number to be cancelled, and then press the In Button and then the Out Button while "LAP TIME" is being indicated in the Multi-Function Display. To cancel a programmed editing sequence on the VTR itself, press the In Button and the Out Button simultaneously. It is also possible to cancel all programmed editing sequences by pressing the Reset Button, turning the VTR off or taking out the video cassette.

Note:
Do not press any operation buttons during editing, otherwise the editing operation may malfunction.

⑰ **Play Button (►)**

⑱ **Fast Forward ►►/Cue ⏩ Button**

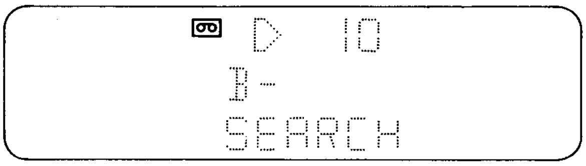
⑲ **Stop Button (■)**

⑳ **Monitor Button**

When the Monitor Button is kept pressed during Playback or Still playback, the broadcast picture of the selected programme position (channel) or input signal through Audio/Video input socket will be displayed. When this button is released, the picture will change back to the playback picture of the tape.
- When the VTR is connected to the TV set via 21-pin AV Cable, this function does not work.

㉑ **Blank Search Button**

The Blank Search function is convenient to quickly locate the end of the recorded part on the tape, for example, when you want to add another recording on the same tape.



- The tape will be fast-forwarded to the blank (non-recorded) part, and the VTR will automatically change over to Still Playback at the end of the recorded part.
- When a non-recorded part is shorter than 5 seconds of fast-forwarding time, it cannot be detected, and the Blank Search function will continue to the end of the next recording.

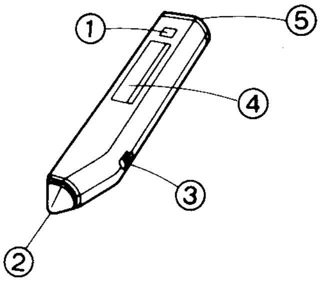
㉒ **Tape Speed Button**

㉓ **Tape Remain Button**

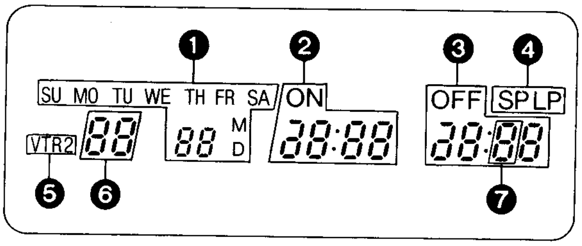
㉔ **Programme Position (Channel) Selector Buttons**

㉕ **Clock/Counter Selector**

1-3-5. DIGITAL SCANNER



① **Transmit Button**
② **Bar Code Reading Section**
③ **Digital Scanner On/Off Switch**
④ **Bar Code Reader Display**



❶ Date Display
❷ Start Time Display
❸ End Time Display
❹ Tape Speed Indicator
❺ Remote Control Mode Indicator
❻ Channel Display
❼ Check Indicator

⑤ **Transmitting Section**

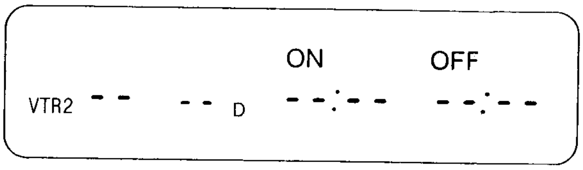
How to Operate the Digital Scanner

Set the Digital Scanner On/Off Switch to "ON".

* If no operation is performed for more than 25 seconds (4 minutes during setting of the clock time), the scanner will automatically switch over to the power-saving standby condition and the lamp will go off.(In this case, if bar codes have already been read but not yet transmitted to the VTR, the data will be cancelled.)

* When the Digital Scanner On/OFF Switch is set to "ON" but the lamp is not lit, set the switch to "OFF" and then to "ON" again.

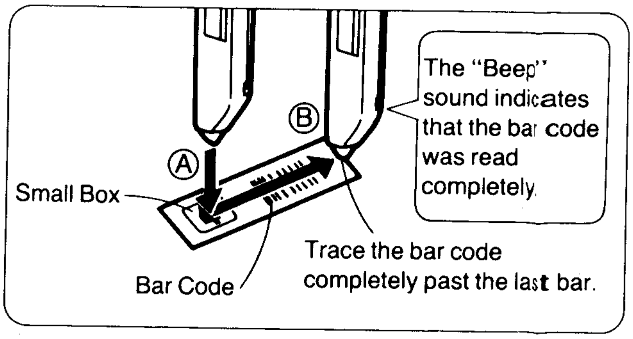
Adjust the remote control mode of the Digital Scanner to the same remote control mode(VTR 1 or VTR 2) as selected on the VTR itself.
Trace the "VTR 2" bar code on the Programming Sheet and transmit the data to the VTR.



- "VTR 2" will appear in the Bar Code Reader Display.

When the "VTR 1" bar code is traced, the "VTR 2" Indication will disappear and the remote control mode is changed back to "VTR 1".

Note:
There is no indication on the display for "VTR 1".



The "Beep" sound indicates that the bar code was read completely.

Trace the bar code completely past the last bar.

(A) Place the Digital Scanner vertical on the small Box.
(B) Trace the bar code quickly in the direction of the arrow.

SECTION 2
ADJUSTMENT PROCEDURES

2-1. DISASSEMBLY METHOD

2-1-1. DISASSEMBLY FLOWCHART (CABINET PARTS AND CIRCUIT BOARDS)

This flowchart indicates disassembly steps of the cabinet parts and circuit boards in order to find the necessary items for servicing.
When reassembling, perform the steps in the reverse order.

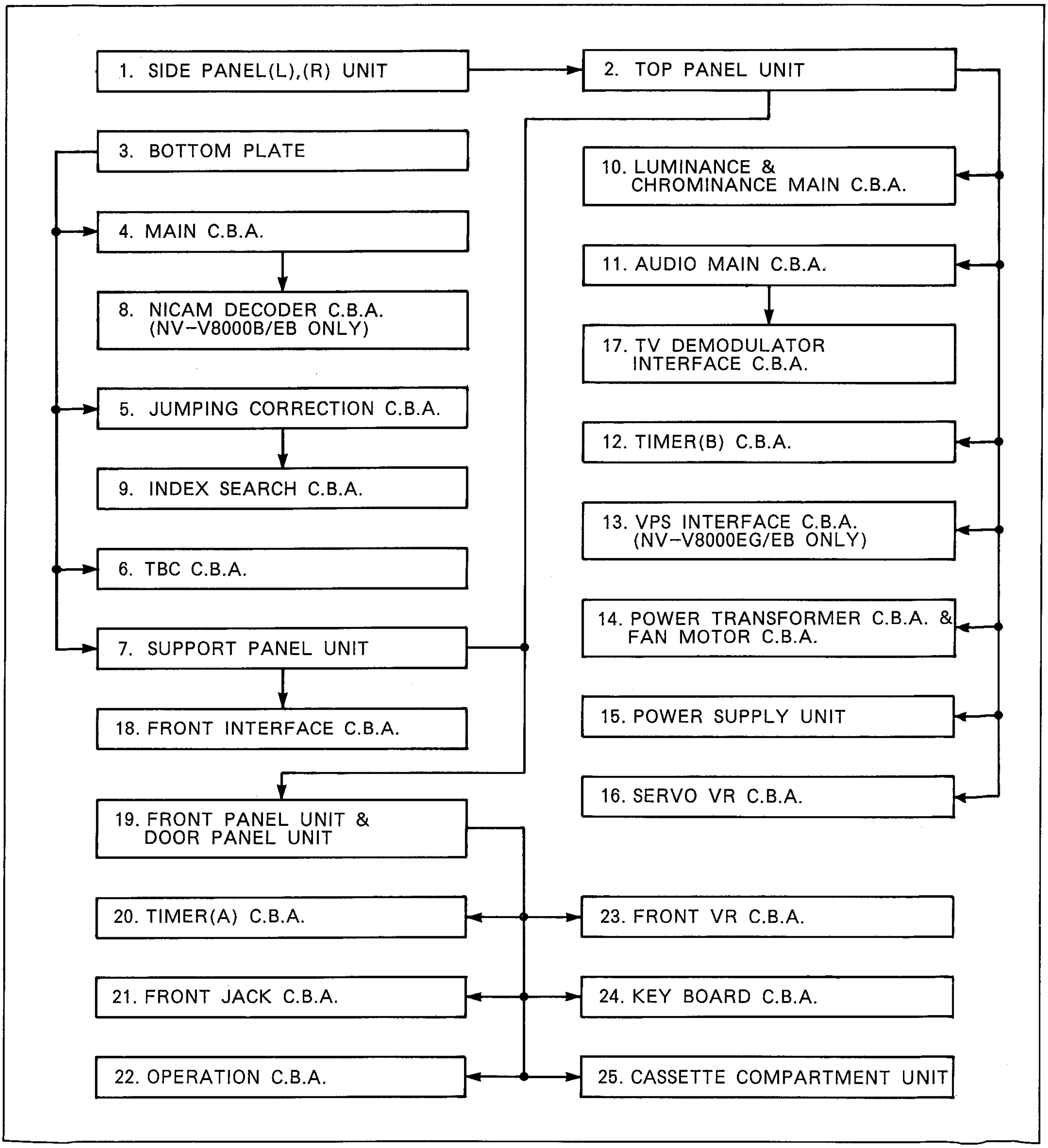

1. SIDE PANEL(L),(R) UNIT
2. TOP PANEL UNIT
3. BOTTOM PLATE
4. MAIN C.B.A.
8. NICAM DECODER C.B.A. (NV-V8000B/EB ONLY)
5. JUMPING CORRECTION C.B.A.
9. INDEX SEARCH C.B.A.
6. TBC C.B.A.
7. SUPPORT PANEL UNIT
18. FRONT INTERFACE C.B.A.
19. FRONT PANEL UNIT & DOOR PANEL UNIT
20. TIMER(A) C.B.A.
21. FRONT JACK C.B.A.
22. OPERATION C.B.A.
10. LUMINANCE & CHROMINANCE MAIN C.B.A.
11. AUDIO MAIN C.B.A.
17. TV DEMODULATOR INTERFACE C.B.A.
12. TIMER(B) C.B.A.
13. VPS INTERFACE C.B.A. (NV-V8000EG/EB ONLY)
14. POWER TRANSFORMER C.B.A. & FAN MOTOR C.B.A.
15. POWER SUPPLY UNIT
16. SERVO VR C.B.A.
23. FRONT VR C.B.A.
24. KEY BOARD C.B.A.
25. CASSETTE COMPARTMENT UNIT

Fig. D1

2–1–2. DETAIL OF DISASSEMBLY METHOD (CABINET PARTS AND CIRCUIT BOARDS)

1. REMOVAL OF THE SIDE PANEL(L),(R)

Remove .... 8 Screws(A) [Fig.D2]

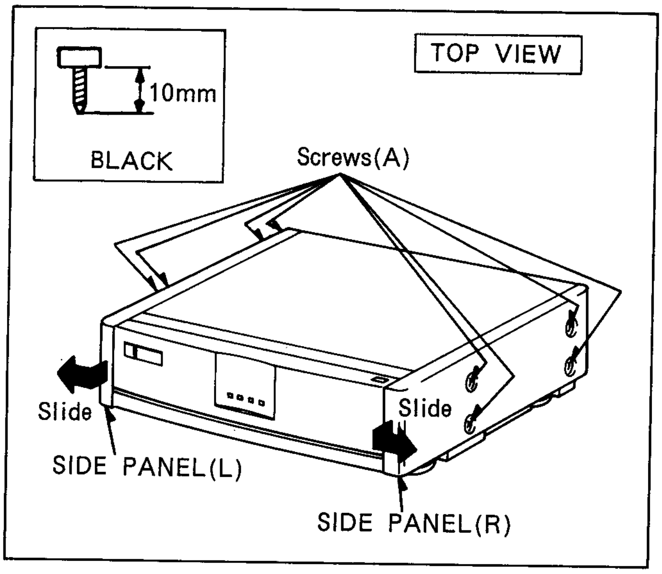

TOP VIEW
10mm
BLACK
Screws(A)
Slide
Slide
SIDE PANEL(L)
SIDE PANEL(R)

Fig. D2

2. REMOVAL OF THE TOP PANEL UNIT

Remove .... 4 Screws(B) [Fig.D3]

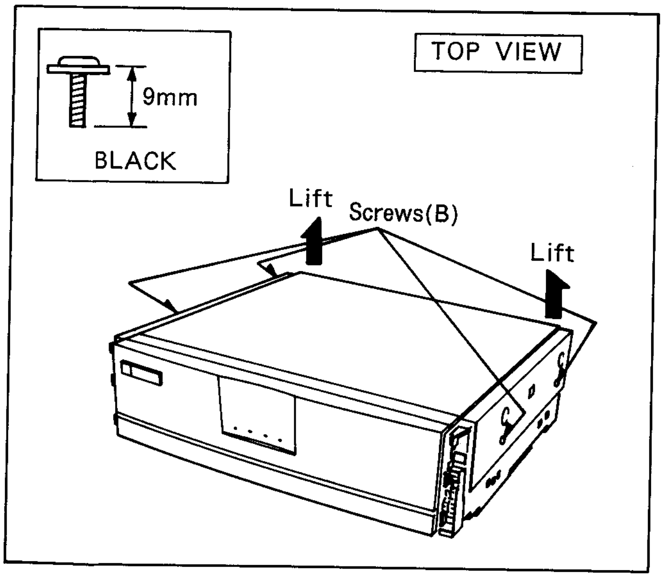

TOP VIEW
9mm
BLACK
Lift
Screws(B)
Lift

Fig. D3

3. REMOVAL OF THE BOTTOM PLATE

Remove .... 10 Screws(C) [Fig.D4]

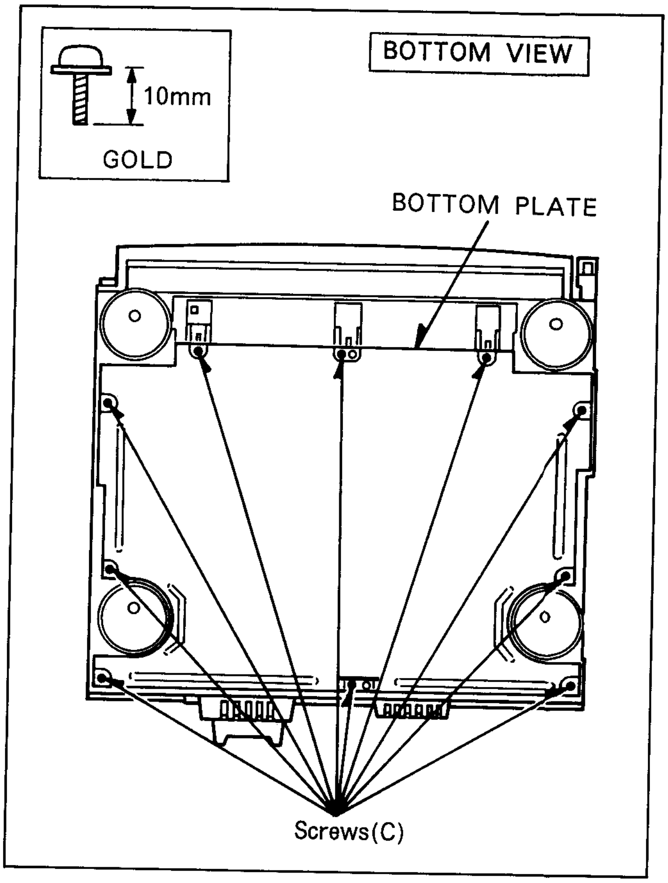

BOTTOM VIEW
10mm
GOLD
BOTTOM PLATE
Screws(C)

Fig. D4

4. REMOVAL OF THE MAIN C.B.A.

Remove .... 5 Screws(D) [Fig.D5]
Unlock .... 2 Tabs(E) [Fig.D5]

5. REMOVAL OF THE JUMPING CORRECTION C.B.A.

Remove .... 2 Screws(F) [Fig.D5]

6. REMOVAL OF THE TBC C.B.A.

Remove .... 3 Screws(G) [Fig.D5]

7. REMOVAL OF THE SUPPORT PANEL UNIT

Unlock .... 5 Tabs(H) [Fig.D5]

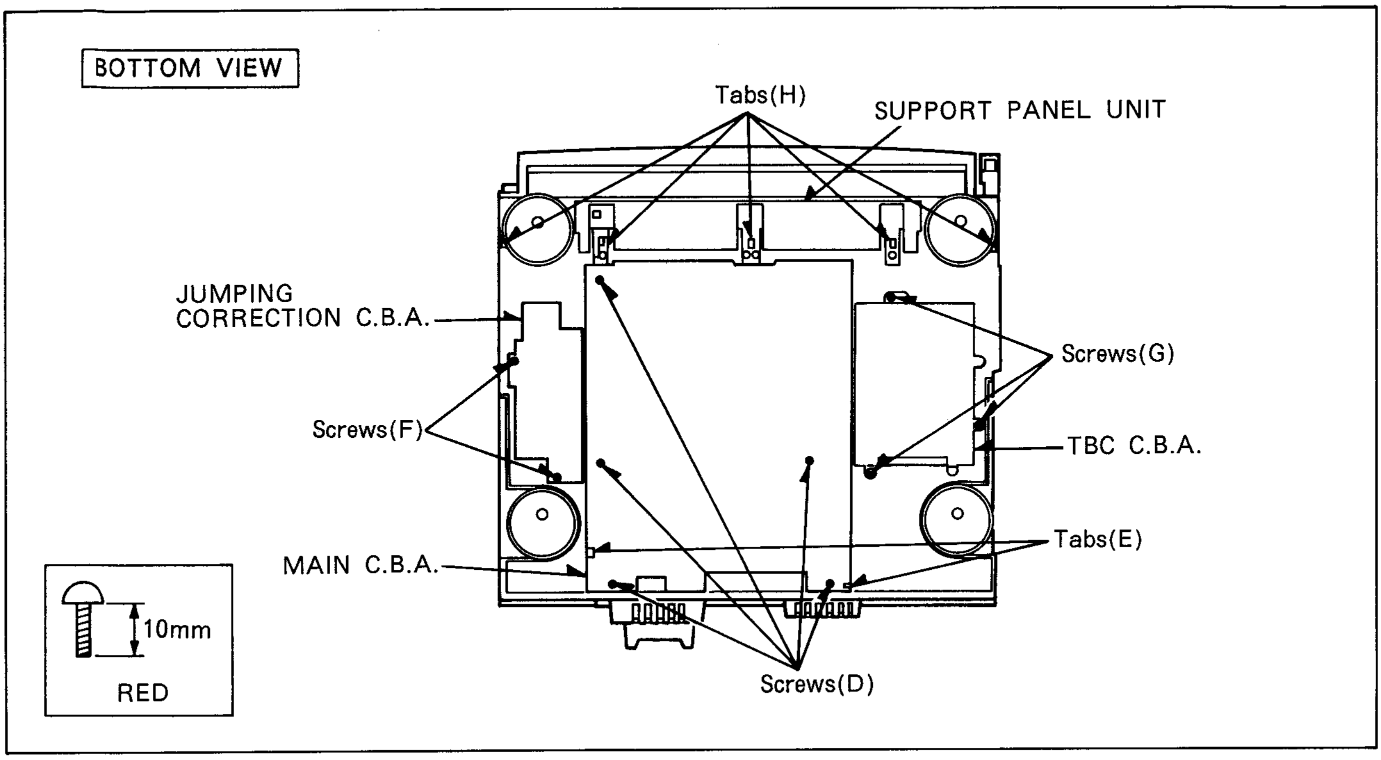

BOTTOM VIEW
Tabs(H)
SUPPORT PANEL UNIT
JUMPING CORRECTION C.B.A.
Screws(G)
Screws(F)
TBC C.B.A.
Tabs(E)
MAIN C.B.A.
10mm
RED
Screws(D)

Fig. D5

8. REMOVAL OF THE NICAM DECODER C.B.A. (NV-V8000B/EB)

Remove .... 3 Screws(I) [Fig.D6]

9. REMOVAL OF THE INDEX SEARCH C.B.A.

Remove .... 2 Screws(J) [Fig.D6]

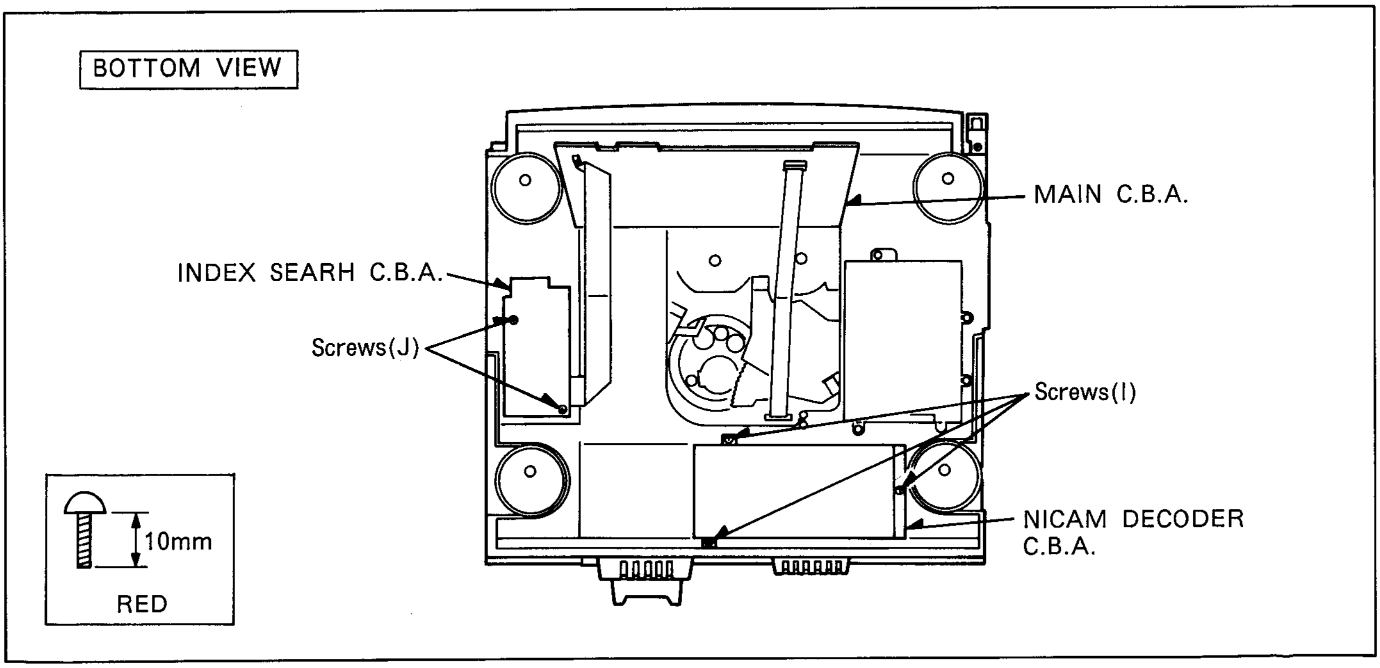

BOTTOM VIEW
MAIN C.B.A.
INDEX SEARH C.B.A.
Screws(J)
Screws(I)
10mm
RED
NICAM DECODER C.B.A.

Fig. D6

10. REMOVAL OF THE LUMINANCE & CHROMINANCE MAIN C.B.A.

Remove .... 4 Screws(K) [Fig.D7]
Remove .... 2 Screws(L) [Fig.D8]

11. REMOVAL OF THE AUDIO MAIN C.B.A.

Remove .... 2 Screws(M) [Fig.D7]
Remove .... Screw(N) [Fig.D7]
Remove .... 3 Screws(O) [Fig.D8]

12. REMOVAL OF THE TIMER(B) C.B.A.

Unlock .... 2 Locking Portions(P) [Fig.D7]

13. REMOVAL OF THE VPS INTERFACE C.B.A. (NV-V8000EG/EB)

Remove .... 2 Screws(Q) [Fig.D7]

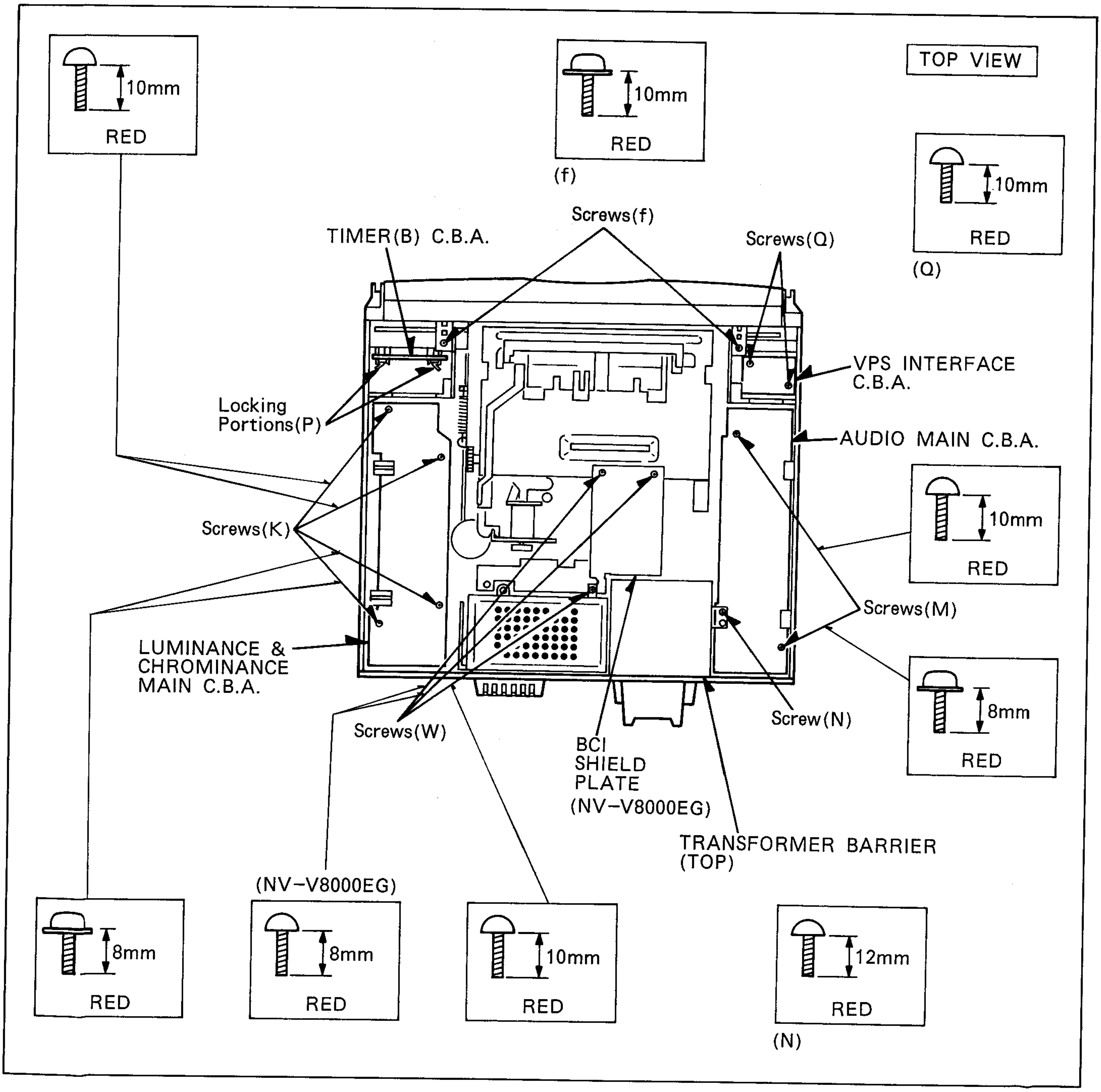

10mm
RED
10mm
RED
(f)
TOP VIEW
10mm
RED
(Q)
Screws(f)
TIMER(B) C.B.A.
Screws(Q)
VPS INTERFACE C.B.A.
Locking Portions(P)
AUDIO MAIN C.B.A.
10mm
RED
Screws(K)
Screws(M)
LUMINANCE & CHROMINANCE MAIN C.B.A.
8mm
RED
Screws(W)
Screw(N)
BCI SHIELD PLATE (NV-V8000EG)
TRANSFORMER BARRIER (TOP)
(NV-V8000EG)
8mm
RED
8mm
RED
10mm
RED
12mm
RED
(N)

Fig. D7

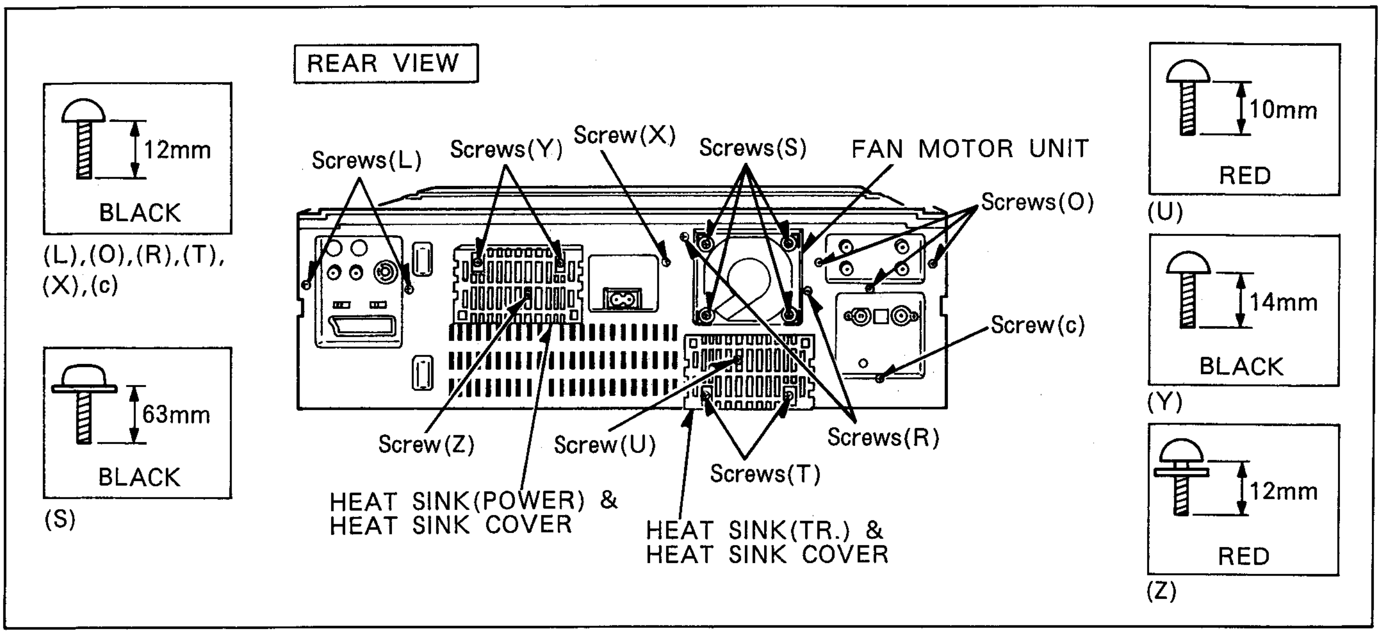

REAR VIEW
Screws(L)
Screws(Y)
Screw(X)
Screws(S)
FAN MOTOR UNIT
Screws(O)
Screw(c)
Screw(Z)
Screw(U)
Screws(R)
Screws(T)
HEAT SINK(POWER) & HEAT SINK COVER
HEAT SINK(TR.) & HEAT SINK COVER
12mm
BLACK
(L),(O),(R),(T),(X),(c)
63mm
BLACK
(S)
10mm
RED
(U)
14mm
BLACK
(Y)
12mm
RED
(Z)

Fig. D8

14. REMOVAL OF THE POWER TRANSFORMER C.B.A & FAN MOTOR C.B.A.

Remove .... Screw(N) and Power Barrier(TOP) [Fig.D7]
Remove .... 2 Screws(R) [Fig.D8]
Remove .... 4 Screws(S) and Fan Motor Unit [Fig.D8]
Remove .... 2 Screws(T) and Heat Sink Cover (A) [Fig.D8]
Remove .... Screws(U) and Heat Sink(A) [Fig.D8]
Remove .... 2 Screws(V) [Fig.D9]

15. REMOVAL OF THE POWER SUPPLY UNIT

Remove .... Screw(N) and Power Barrier (TOP) [Fig.D7]
Remove .... 3 Screws(W) and BCI Shield Plate [Fig.D7]:NV–V8000EG
Remove .... Screw(W) [Fig.D7]:NV–V8000B/EB
Remove .... Screw(X) [Fig.D8]
Remove .... 2 Screws(Y) and Heat Sink Cover (B) [Fig.D8]
Remove .... Screw(Z) and Heat Sink(B) [Fig.D8]
Remove .... 3 Screws(a) [Fig.D9]

16. REMOVAL OF THE SERVO VR C.B.A.

Remove .... 3 Screws(W) and BCI Shield Plate [Fig.D7]:NV–V8000EG
Remove .... 2 Screws(b) [Fig.D9]

17. REMOVAL OF THE TV DEMODULATOR INTERFACE C.B.A.

Remove .... Screw(c) [Fig.D8]
Remove .... Screw(d) [Fig.D9]

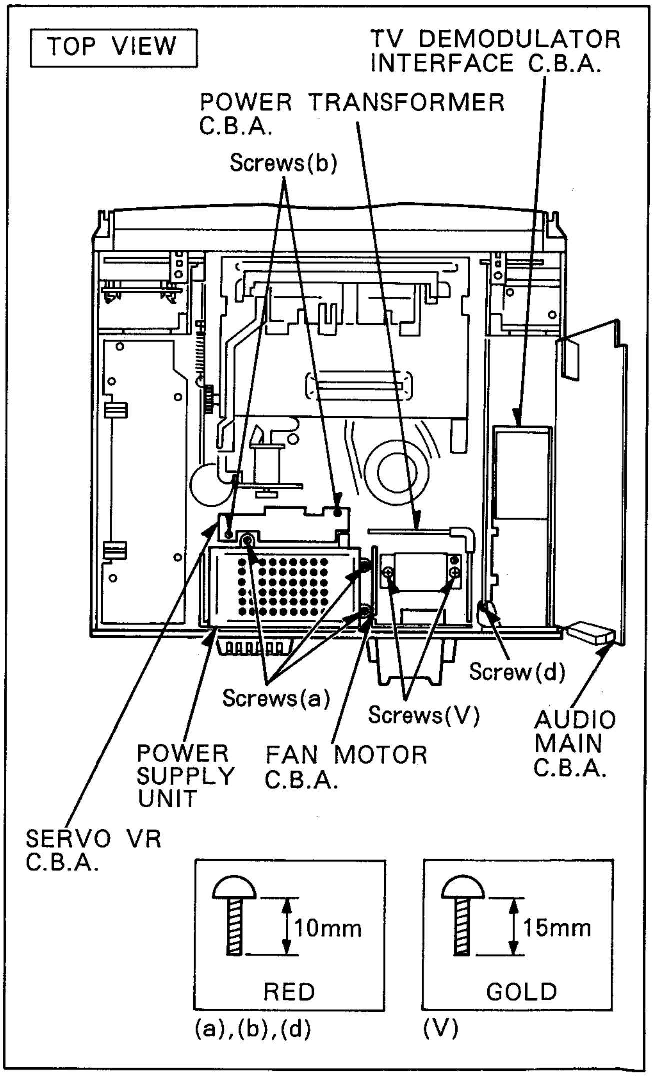

TOP VIEW
TV DEMODULATOR INTERFACE C.B.A.
POWER TRANSFORMER C.B.A.
Screws(b)
Screws(a)
Screws(V)
Screw(d)
AUDIO MAIN C.B.A.
POWER SUPPLY UNIT
FAN MOTOR C.B.A.
SERVO VR C.B.A.
10mm
RED
(a),(b),(d)
15mm
GOLD
(V)

Fig. D9

18. REMOVAL OF THE FRONT INTERFACE C.B.A.

Remove .... 2 Screws(e) [Fig.D10]

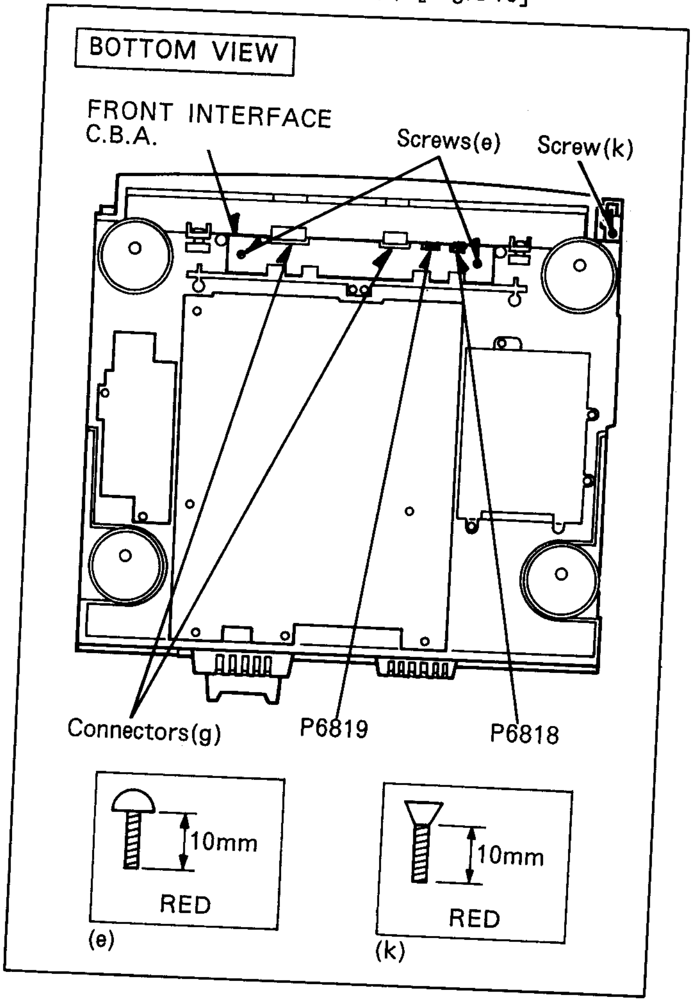

BOTTOM VIEW
FRONT INTERFACE C.B.A.
Screws(e)
Screw(k)
Connectors(g)
P6819
P6818
10mm
RED
(e)
10mm
RED
(k)

Fig. D10

19. REMOVAL OF THE FRONT PANEL UNIT & DOOR PANEL UNIT

REMOVAL OF THE FRONT PANEL UNIT

Remove .... 2 Screws(f) [Fig.D7]
Disconnect ... 2 Connectors(g) [Fig.D10]
Remove .... 2 Screws(h) [Fig.D11]
Remove .... 2 Screws(i) [Fig.D11]
Unlock .... 6 Tabs(j) [Fig.D11]

REMOVAL OF THE DOOR PANEL UNIT

Disconnect ... 2 Connectors(g) [Fig.D10]
Remove .... Screw(k) [Fig.D10]
Remove .... 2 Screws(i) [Fig.D11]
Remove .... 3 Screws(l) [Fig.D11]

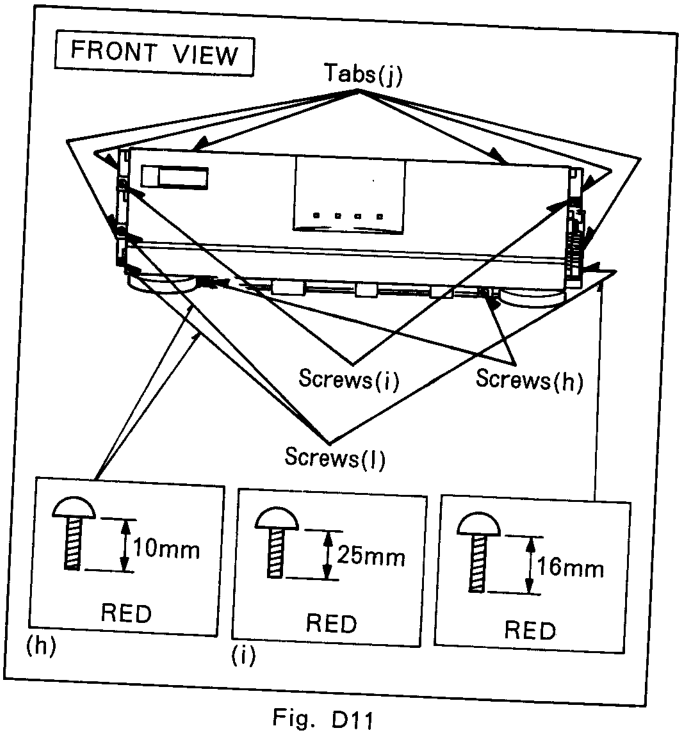

FRONT VIEW
Tabs(j)
Screws(i)
Screws(h)
Screws(l)
10mm
RED
(h)
25mm
RED
(i)
16mm
RED

Fig. D11

20. REMOVAL OF THE TIMER(A) C.B.A.

Remove .... Screw(m) [Fig.D12]
Unlock .... 2 Tabs(n) [Fig.D12]

21. REMOVAL OF THE FRONT JACK C.B.A.

Remove .... 3 Screws(o) [Fig.D12]

22. REMOVAL OF THE OPERATION C.B.A.

Remove .... Screw(p) [Fig.D12]

23. REMOVAL OF THE FRONT VR C.B.A.

Remove .... 2 Screws(q) [Fig.D12]

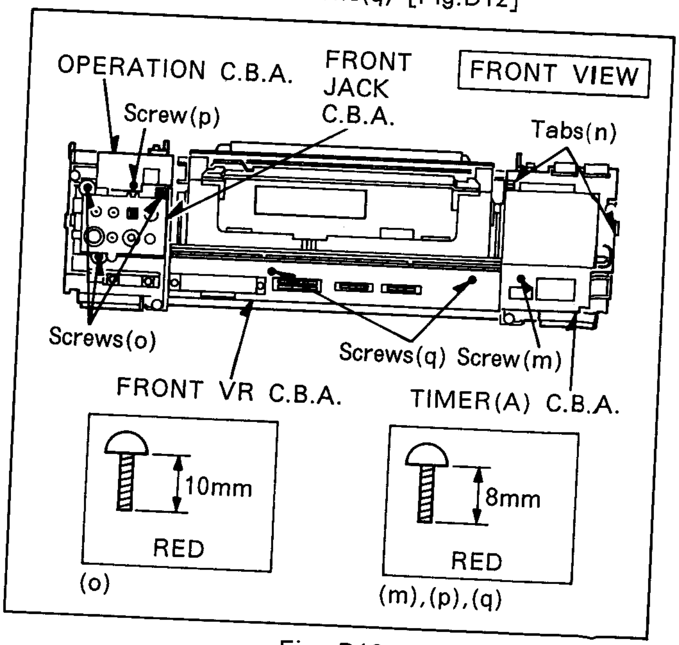

OPERATION C.B.A.
FRONT JACK C.B.A.
FRONT VIEW
Screw(p)
Tabs(n)
Screws(o)
Screws(q)
Screw(m)
FRONT VR C.B.A.
TIMER(A) C.B.A.
10mm
RED
(o)
8mm
RED
(m),(p),(q)

Fig. D12

24. REMOVAL OF THE KEY BOARD C.B.A.

Remove .... 6 Screws(r) and open the Door Panel Unit [Fig.D13]
Remove .... 6 Screws(s) [Fig.D13]
Unlock .... 2 Tabs(t) [Fig.D13]

(2 Screws(u) ..... For the JOG/SHUTTLE ENCODER [Fig.D13])

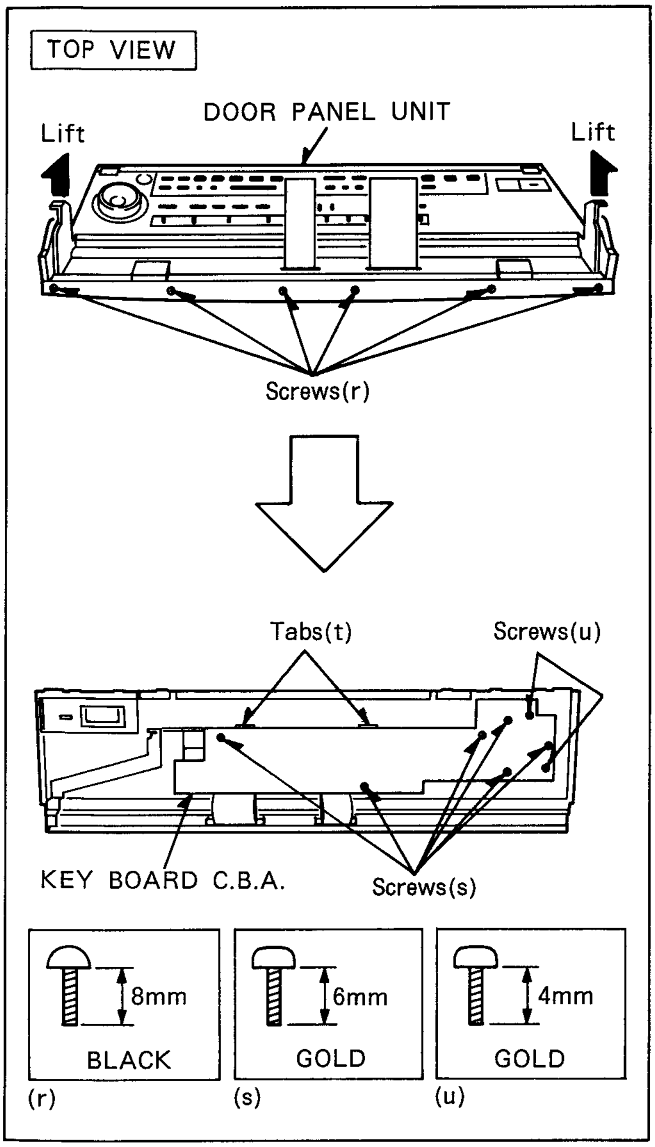

TOP VIEW
DOOR PANEL UNIT
Lift
Lift
Screws(r)
Tabs(t)
Screws(u)
KEY BOARD C.B.A.
Screws(s)
8mm
BLACK
6mm
GOLD
4mm
GOLD
(r)
(s)
(u)

Fig. D13

25. REMOVAL OF THE CASSETTE COMPARTMENT UNIT

Remove...Audio Main C.B.A.(Refer to item 11)
Remove...Front Panel Unit.(Refer to item 19)
Disconnect... 3 Connectors P1511,P6818 and P6819. [Fig.D10,D14]
Remove...4 Screws(v)
Carefully pull out the Cassette Compartment Unit.

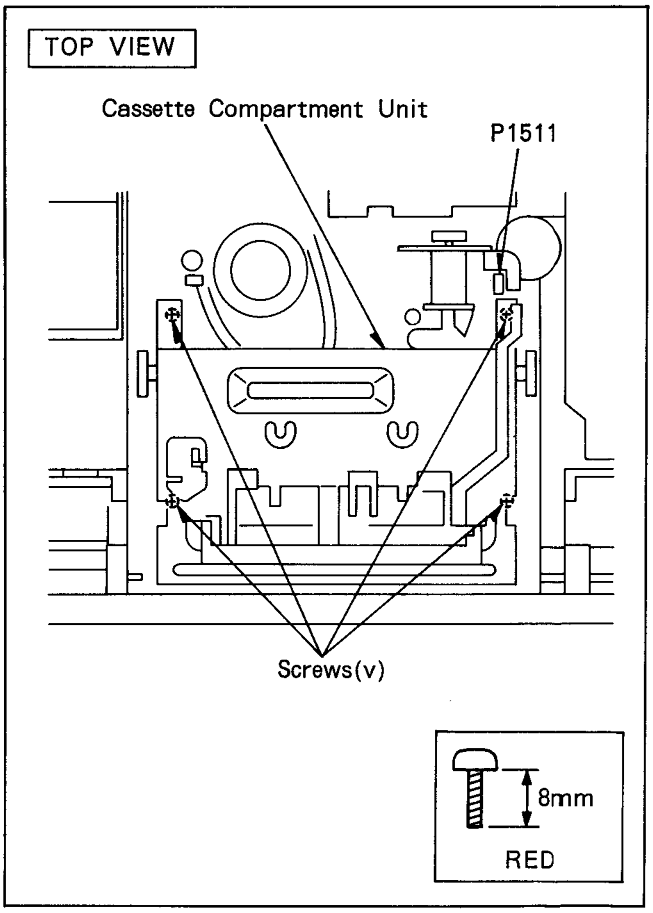

TOP VIEW
Cassette Compartment Unit
P1511
Screws(v)
8mm
RED

Fig. D14

NOTE:
When reinstalling the Cassette Compartment Unit, mechanical adjustment must be performed for correct working refer to assembly method.

2-1-3. DISASSEMBLY FLOWCHART (CASSETTE COMPARTMENT UNIT)

This flowchart indicates disassembly steps of the cassette compartment parts in order to find the necessary items for servicing.
When reassembling, mechanical adjustment must be performed for correct working refer to assembly method.

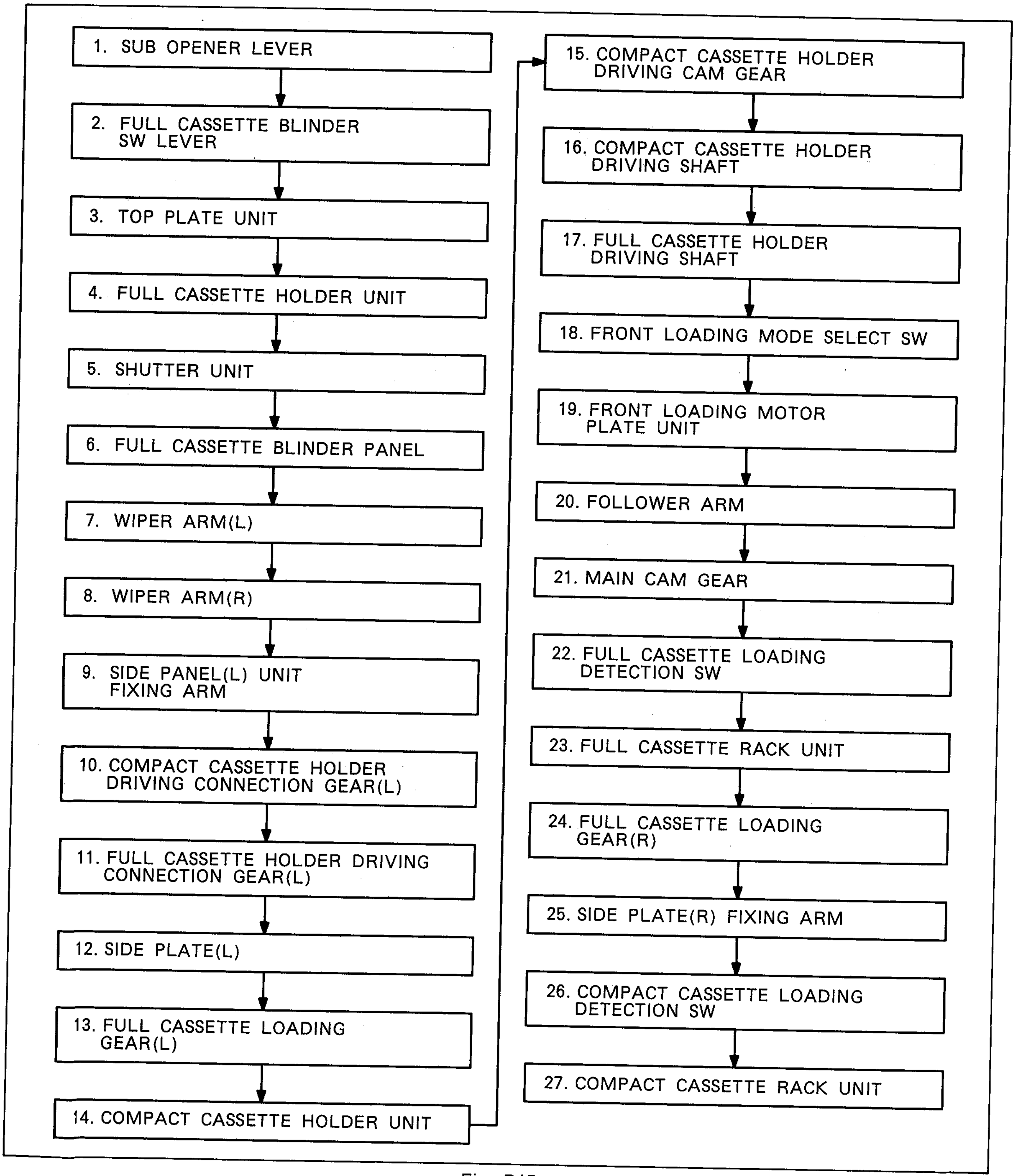

1. SUB OPENER LEVER
2. FULL CASSETTE BLINDER SW LEVER
3. TOP PLATE UNIT
4. FULL CASSETTE HOLDER UNIT
5. SHUTTER UNIT
6. FULL CASSETTE BLINDER PANEL
7. WIPER ARM(L)
8. WIPER ARM(R)
9. SIDE PANEL(L) UNIT FIXING ARM
10. COMPACT CASSETTE HOLDER DRIVING CONNECTION GEAR(L)
11. FULL CASSETTE HOLDER DRIVING CONNECTION GEAR(L)
12. SIDE PLATE(L)
13. FULL CASSETTE LOADING GEAR(L)
14. COMPACT CASSETTE HOLDER UNIT
15. COMPACT CASSETTE HOLDER DRIVING CAM GEAR
16. COMPACT CASSETTE HOLDER DRIVING SHAFT
17. FULL CASSETTE HOLDER DRIVING SHAFT
18. FRONT LOADING MODE SELECT SW
19. FRONT LOADING MOTOR PLATE UNIT
20. FOLLOWER ARM
21. MAIN CAM GEAR
22. FULL CASSETTE LOADING DETECTION SW
23. FULL CASSETTE RACK UNIT
24. FULL CASSETTE LOADING GEAR(R)
25. SIDE PLATE(R) FIXING ARM
26. COMPACT CASSETTE LOADING DETECTION SW
27. COMPACT CASSETTE RACK UNIT

Fig. D15

2–1–4. DETAIL OF DISASSEMBLY METHOD (CASSETTE COMPARTMENT UNIT)

1. REMOVAL OF THE SUB OPENER LEVER

Unlock .... Locking Portion(A–1) [Fig.D16]

2. REMOVAL OF THE FULL CASSETTE BLINDER SW LEVER

Unlock .... Locking Portion(A–2) [Fig.D16]

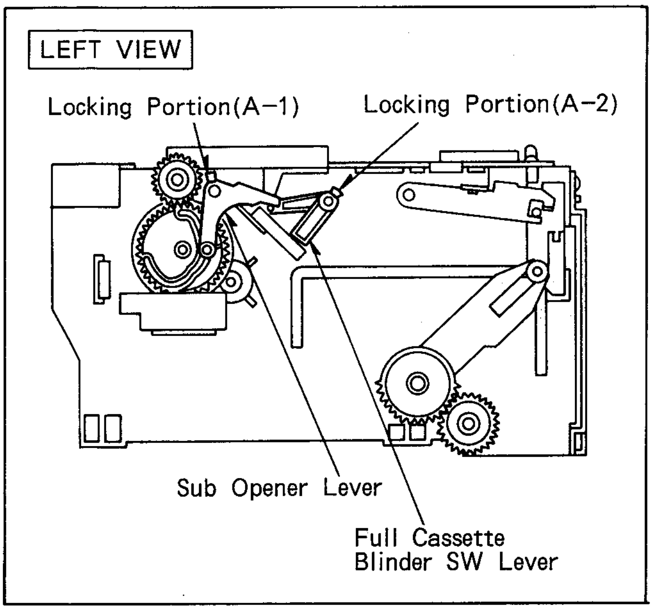

LEFT VIEW
Locking Portion(A–1)
Locking Portion(A–2)
Sub Opener Lever
Full Cassette Blinder SW Lever

Fig. D16

3. REMOVAL OF THE TOP PLATE UNIT

Disconnect ... Connector(P1512) [Fig.D17]
Remove .... 4 Screws(A–3) [Fig.D17]

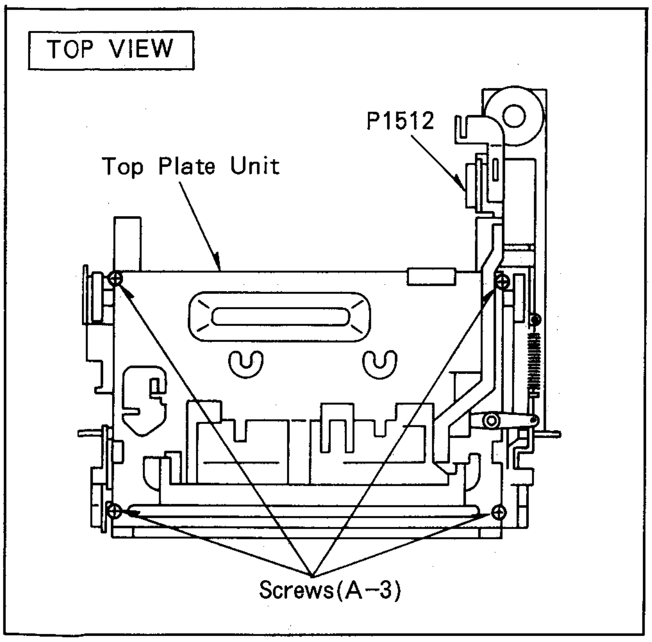

TOP VIEW
P1512
Top Plate Unit
Screws(A–3)

Fig. D17

4. REMOVAL OF THE FULL CASSETTE HOLDER UNIT

Remove .... Full Cassette Holder Unit [Fig.D18]

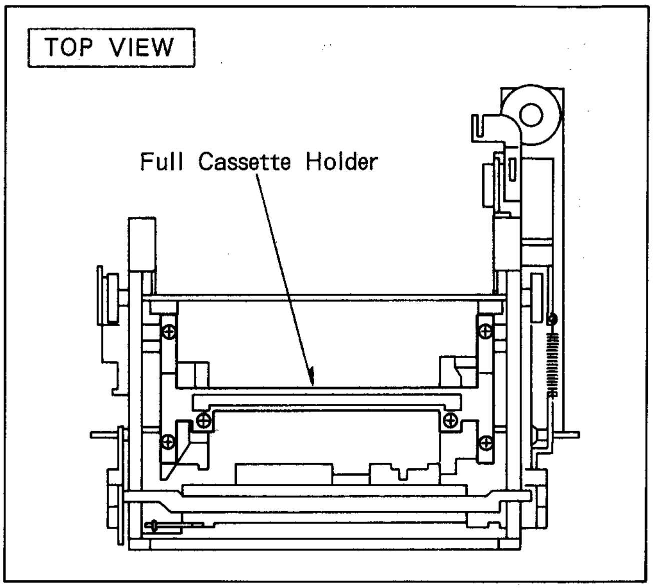

TOP VIEW
Full Cassette Holder

Fig. D18

5. REMOVAL OF THE SHUTTER UNIT

Unlock .... Locking Portion(A–4) of Compact Cassette Blinder Sensor Flexible Cable [Fig.D19]
Remove .... 4 Screws(A–5) [Fig.D20]

6. REMOVAL OF THE FULL CASSETTE BLINDER PANEL

Remove .... Full Cassette Blinder Panel [Fig.D20]

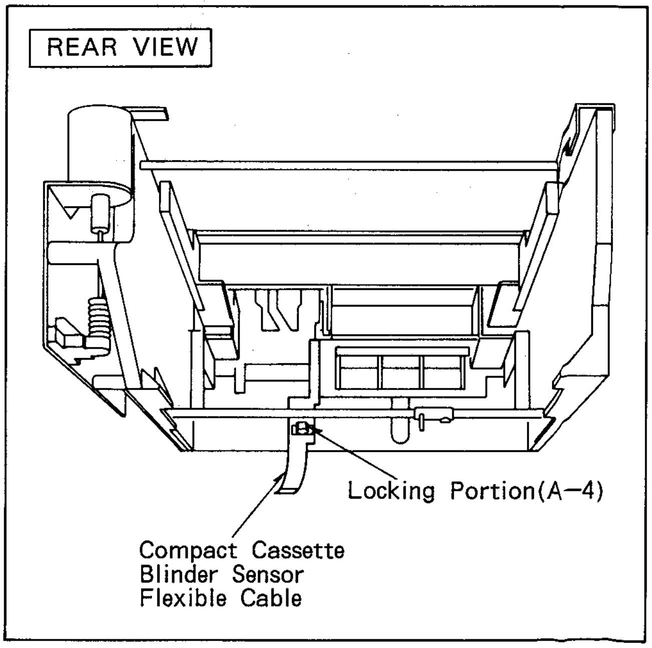

REAR VIEW
Locking Portion(A–4)
Compact Cassette Blinder Sensor Flexible Cable

Fig. D19

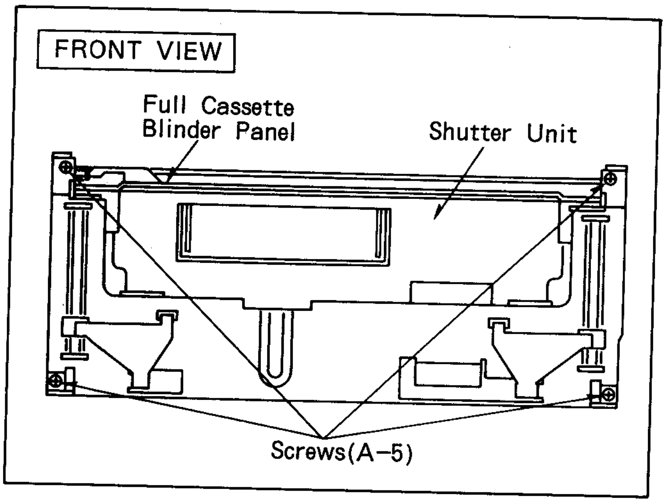

FRONT VIEW
Full Cassette Blinder Panel
Shutter Unit
Screws(A-5)

Fig. D20

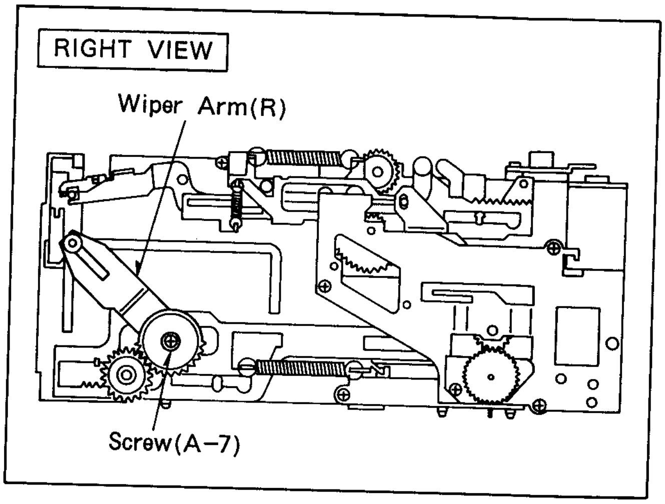

RIGHT VIEW
Wiper Arm(R)
Screw(A-7)

Fig. D22

7. REMOVAL OF THE WIPER ARM(L)

Remove .... Screw(A-6) [Fig.D21]

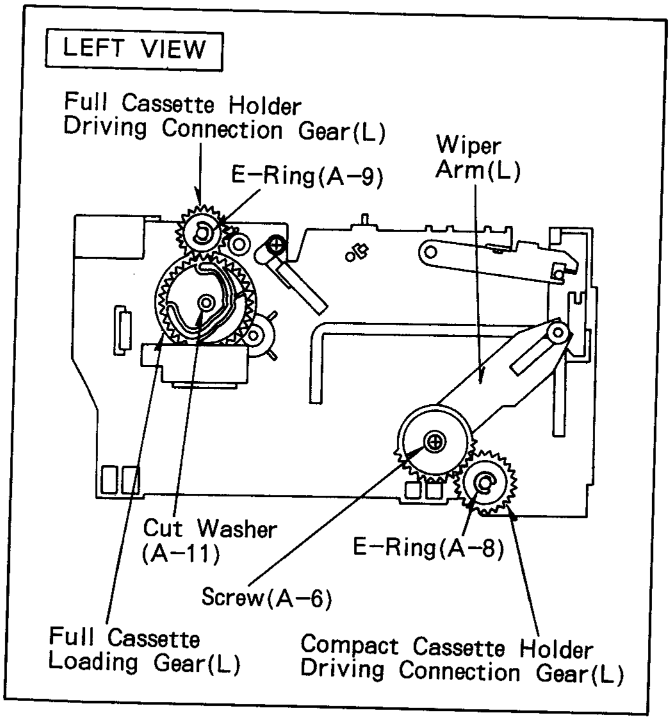

LEFT VIEW
Full Cassette Holder Driving Connection Gear(L)
E-Ring(A-9)
Wiper Arm(L)
Cut Washer (A-11)
E-Ring(A-8)
Screw(A-6)
Full Cassette Loading Gear(L)
Compact Cassette Holder Driving Connection Gear(L)

Fig. D21

8. REMOVAL OF THE WIPER ARM(R)

Remove .... Screw(A-7) [Fig.D22]

9. REMOVAL OF THE COMPACT CASSETTE HOLDER DRIVING CONNECTIN GEAR(L)

Remove .... E-Ring(A-8) [Fig.D21]

10. REMOVAL OF THE FULL CASSETTE HOLDER DRIVING CONNECTION GEAR(L)

Remove .... E-Ring(A-9) [Fig.D21]

11. REMOVAL OF THE SIDE PLATE(L) UNIT FIXING ARM

Remove .... Screw(A-10) [Fig.D23]

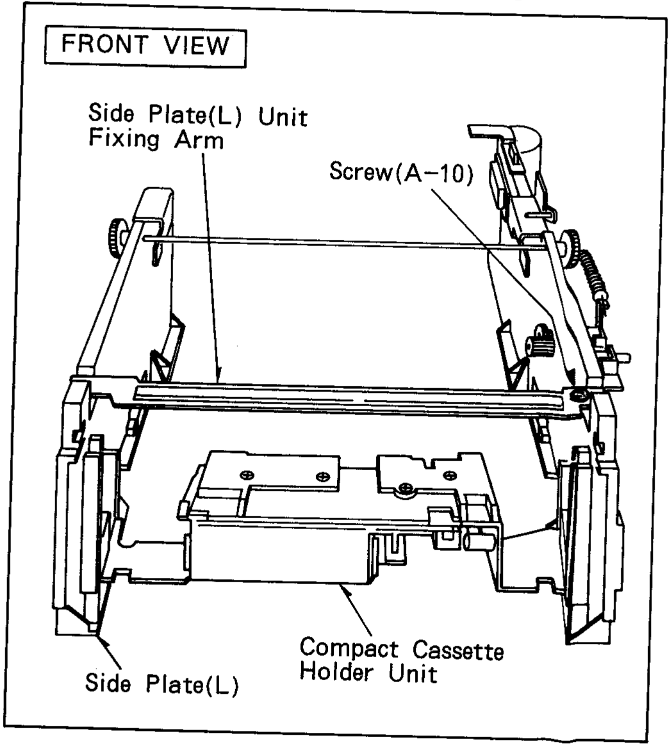

FRONT VIEW
Side Plate(L) Unit Fixing Arm
Screw(A-10)
Compact Cassette Holder Unit
Side Plate(L)

Fig. D23

12. REMOVAL OF THE SIDE PLATE(L)

Remove .... Side Plate(L) [Fig.D23]

13. REMOVAL OF THE FULL CASSETTE LOADING GEAR(L)

Remove .... Cut Washer(A−11) [Fig.D21]

14. REMOVAL OF THE COMPACT CASSETTE HOLDER UNIT

Remove .... Compact Cassette Holder Unit [Fig.D23]

15. REMOVAL OF THE COMPACT CASSETTE HOLDER DRIVING CAM

Remove .... Screw(A−12) [Fig.D24]

16. REMOVAL OF THE COMPACT CASSETTE HOLDER DRIVING SHAFT

Remove .... Compact Cassette Holder Driving Shaft [Fig.D24]

17. REMOVAL OF THE FULL CASSETTE HOLDER DRIVING SHAFT

Remove .... Full Cassette Holder Driving Shaft [Fig.D24]

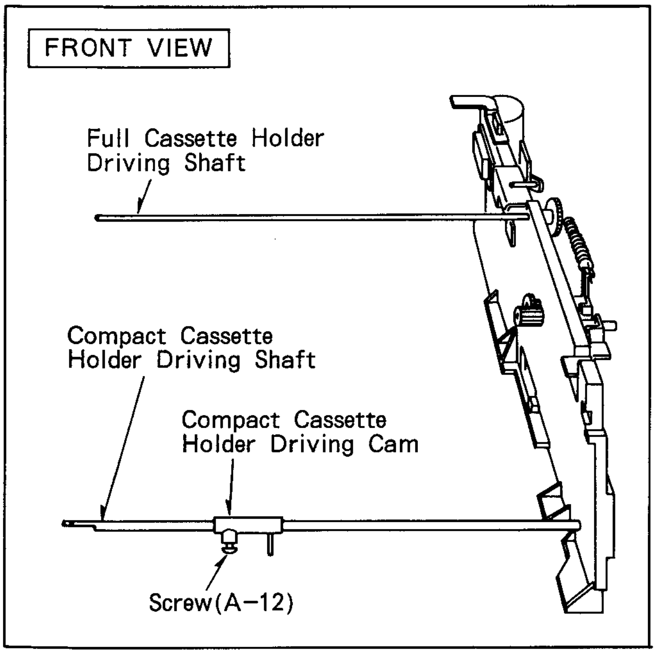

FRONT VIEW
Full Cassette Holder Driving Shaft
Compact Cassette Holder Driving Shaft
Compact Cassette Holder Driving Cam
Screw(A−12)

Fig. D24

18. REMOVAL OF THE FRONT LOADING MODE SELECT SW

Disconnect ... Connector(P1513) [Fig.D25]
Remove .... Screw(A−13) [Fig.D26]

19. REMOVAL OF THE FRONT LOADING MOTOR PLATE UNIT

Disconnect ... 2 Connectors(P1514,P1517) [Fig.D25]
Remove .... 4 Screws(A−14) [Fig.D26]

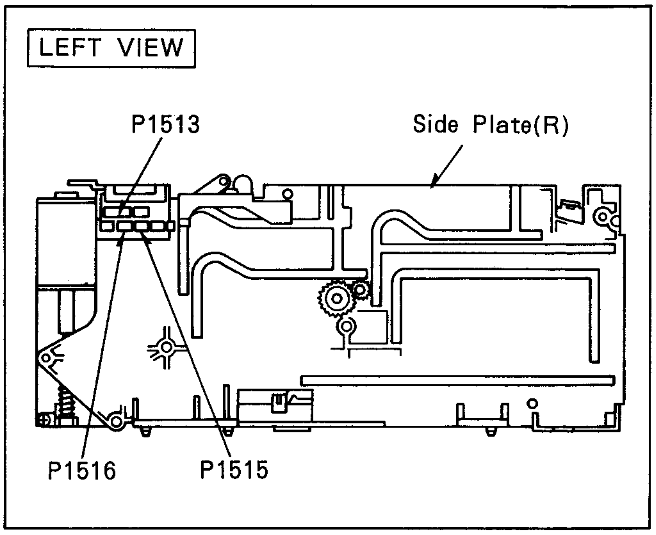

LEFT VIEW
P1513
Side Plate(R)
P1516
P1515

Fig. D25

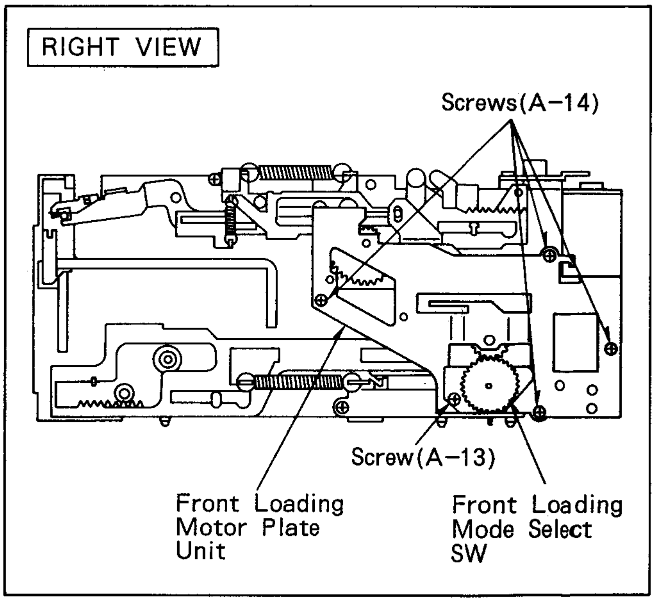

RIGHT VIEW
Screws(A−14)
Screw(A−13)
Front Loading Motor Plate Unit
Front Loading Mode Select SW

Fig. D26

20. REMOVAL OF THE FOLLOWER ARM

Remove .... Follower Arm [Fig.D27]

21. REMOVAL OF THE MAIN CAM GEAR

Remove .... Main Cam Gear [Fig.D27]

22. REMOVAL OF THE FULL CASSETTE LOADING DETECTION SW

Disconnect ... Connector(P1515) [Fig.D25]
Remove .... Screw(A-15) [Fig.D27]

23. REMOVAL OF THE FULL CASSETTE RACK UNIT

Slide .... Full Cassette Rack Unit to the arrow(A) direction [Fig.D27]

24. REMOVAL OF THE FULL CASSETTE LOADING GEAR(R)

Remove .... Full Cassette Loading GEAR(R) [Fig.D27]

25. REMOVAL OF THE SIDE PLATE(R) FIXING ARM

Remove .... Side Plate(R) Fixing Arm [Fig.D27]

26. REMOVAL OF THE COMPACT CASSETTE LOADING DETECTION SW

Disconnect ... Connector(P1516) [Fig.D25]
Remove .... Screw(A-16) [Fig.D27]

27. REMOVAL OF THE COMPACT CASSETTE RACK UNIT

Release ...... Locking Portion of Spring(A-17) [Fig.D27]
Slide .... Compact Cassette Rack Unit to the arrow(B) direction [Fig.D27]

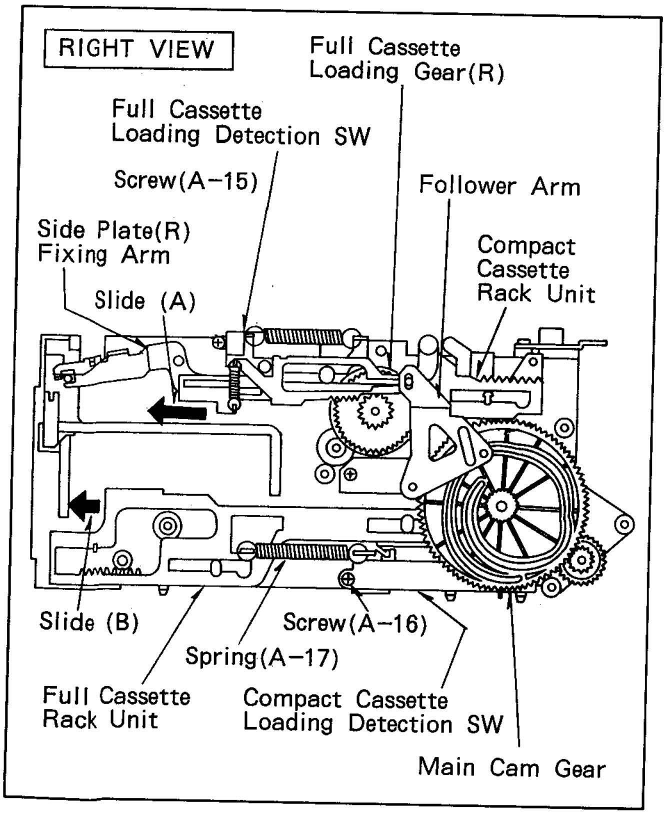

RIGHT VIEW
Full Cassette Loading Gear(R)
Full Cassette Loading Detection SW
Screw(A-15)
Follower Arm
Side Plate(R) Fixing Arm
Slide (A)
Compact Cassette Rack Unit
Slide (B)
Screw(A-16)
Spring(A-17)
Full Cassette Rack Unit
Compact Cassette Loading Detection SW
Main Cam Gear

Fig. D27

2-1-5. DISASSEMBLY FROWCHART (MECHANISM CHASSIS)

This flowchart indicates disassembly steps of the mechanism chassis parts in order to find the necessary items for servicing.
When resembling, mechanical adjustment must be performed for correct working refer to assembly method.

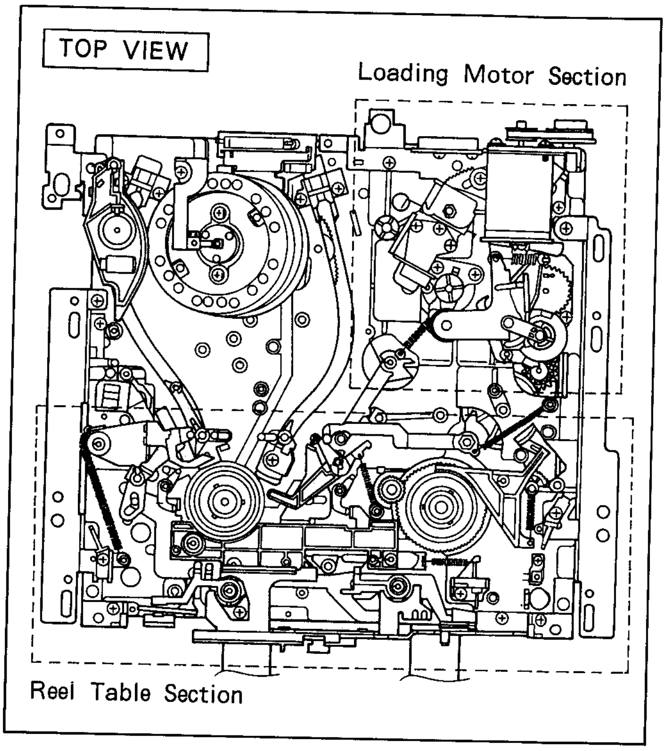

TOP VIEW
Loading Motor Section
Reel Table Section

Fig. D28

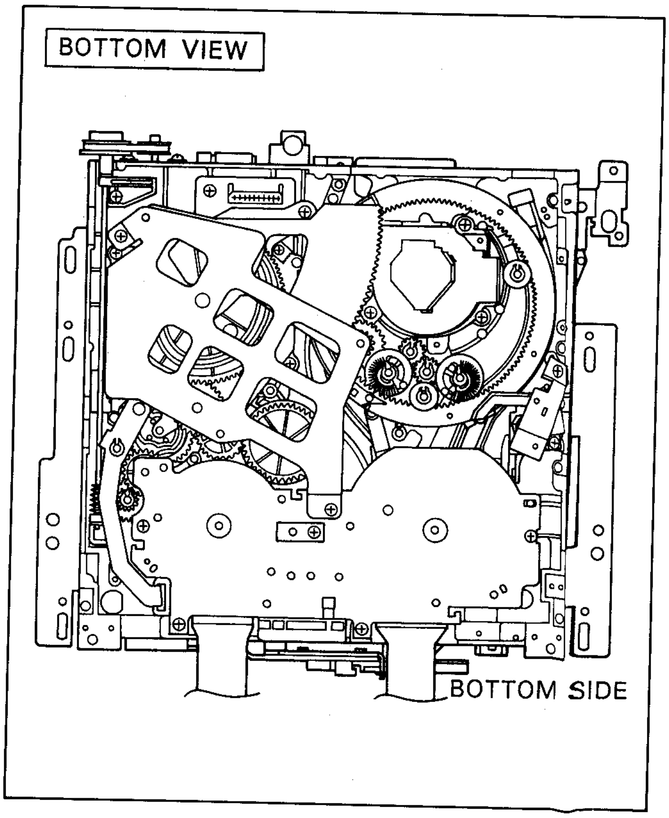

BOTTOM VIEW
BOTTOM SIDE

Fig. D29

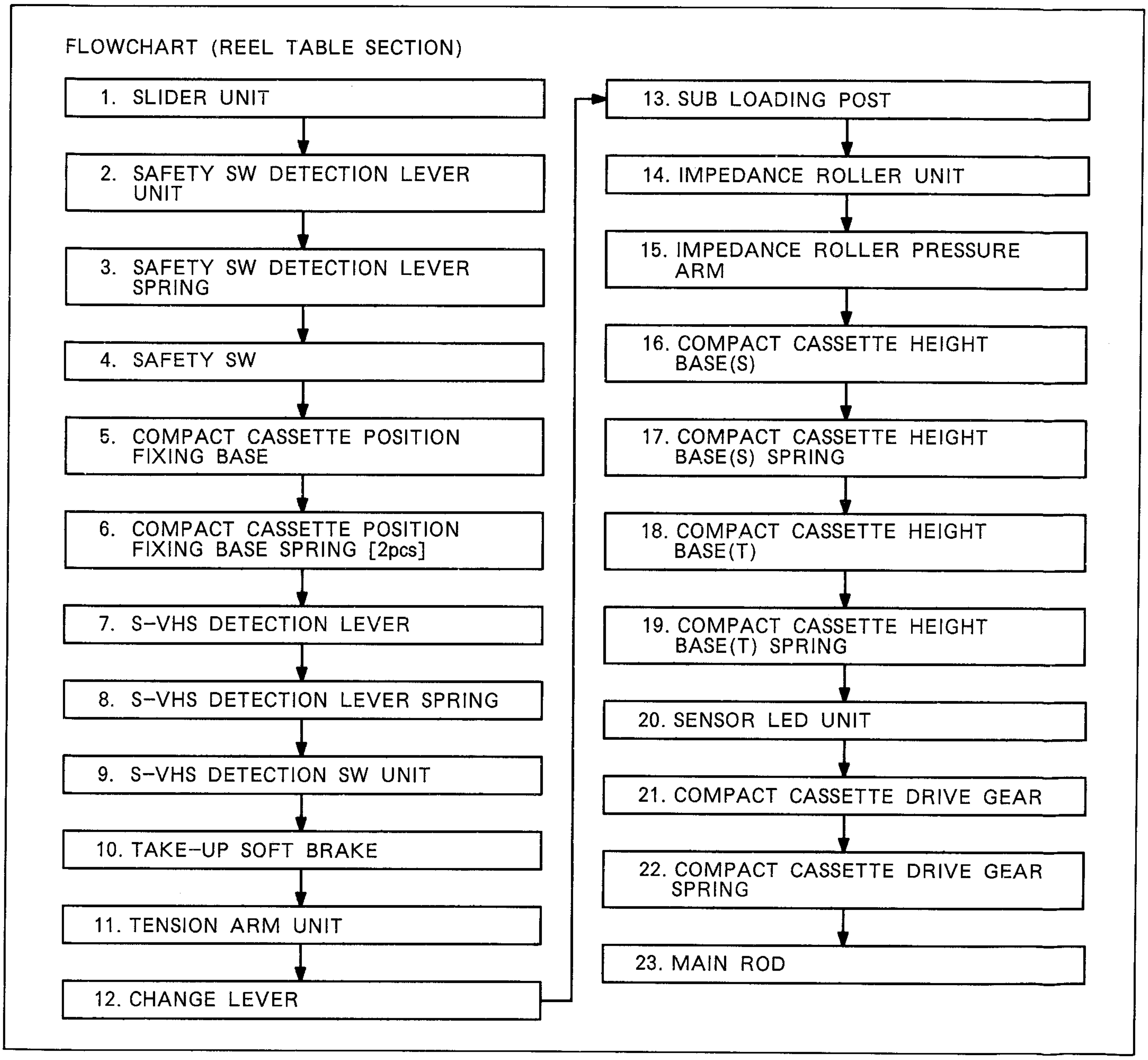

FLOWCHART (REEL TABLE SECTION)
1. SLIDER UNIT
2. SAFETY SW DETECTION LEVER UNIT
3. SAFETY SW DETECTION LEVER SPRING
4. SAFETY SW
5. COMPACT CASSETTE POSITION FIXING BASE
6. COMPACT CASSETTE POSITION FIXING BASE SPRING [2pcs]
7. S-VHS DETECTION LEVER
8. S-VHS DETECTION LEVER SPRING
9. S-VHS DETECTION SW UNIT
10. TAKE-UP SOFT BRAKE
11. TENSION ARM UNIT
12. CHANGE LEVER
13. SUB LOADING POST
14. IMPEDANCE ROLLER UNIT
15. IMPEDANCE ROLLER PRESSURE ARM
16. COMPACT CASSETTE HEIGHT BASE(S)
17. COMPACT CASSETTE HEIGHT BASE(S) SPRING
18. COMPACT CASSETTE HEIGHT BASE(T)
19. COMPACT CASSETTE HEIGHT BASE(T) SPRING
20. SENSOR LED UNIT
21. COMPACT CASSETTE DRIVE GEAR
22. COMPACT CASSETTE DRIVE GEAR SPRING
23. MAIN ROD

Fig. D30

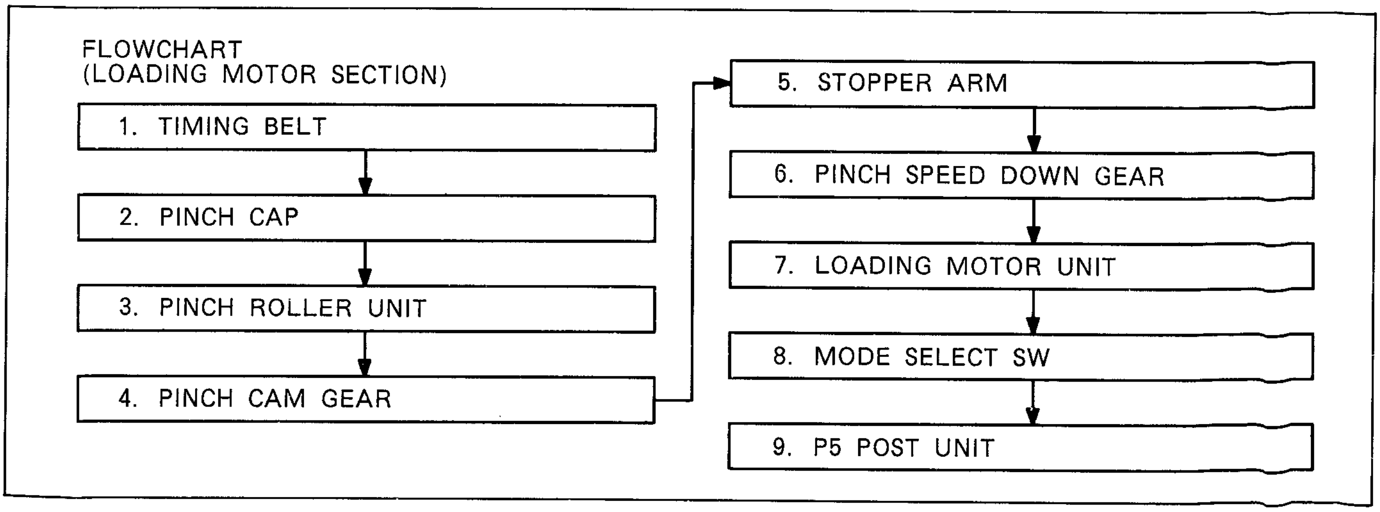

FLOWCHART (LOADING MOTOR SECTION)
1. TIMING BELT
2. PINCH CAP
3. PINCH ROLLER UNIT
4. PINCH CAM GEAR
5. STOPPER ARM
6. PINCH SPEED DOWN GEAR
7. LOADING MOTOR UNIT
8. MODE SELECT SW
9. P5 POST UNIT

Fig. D31

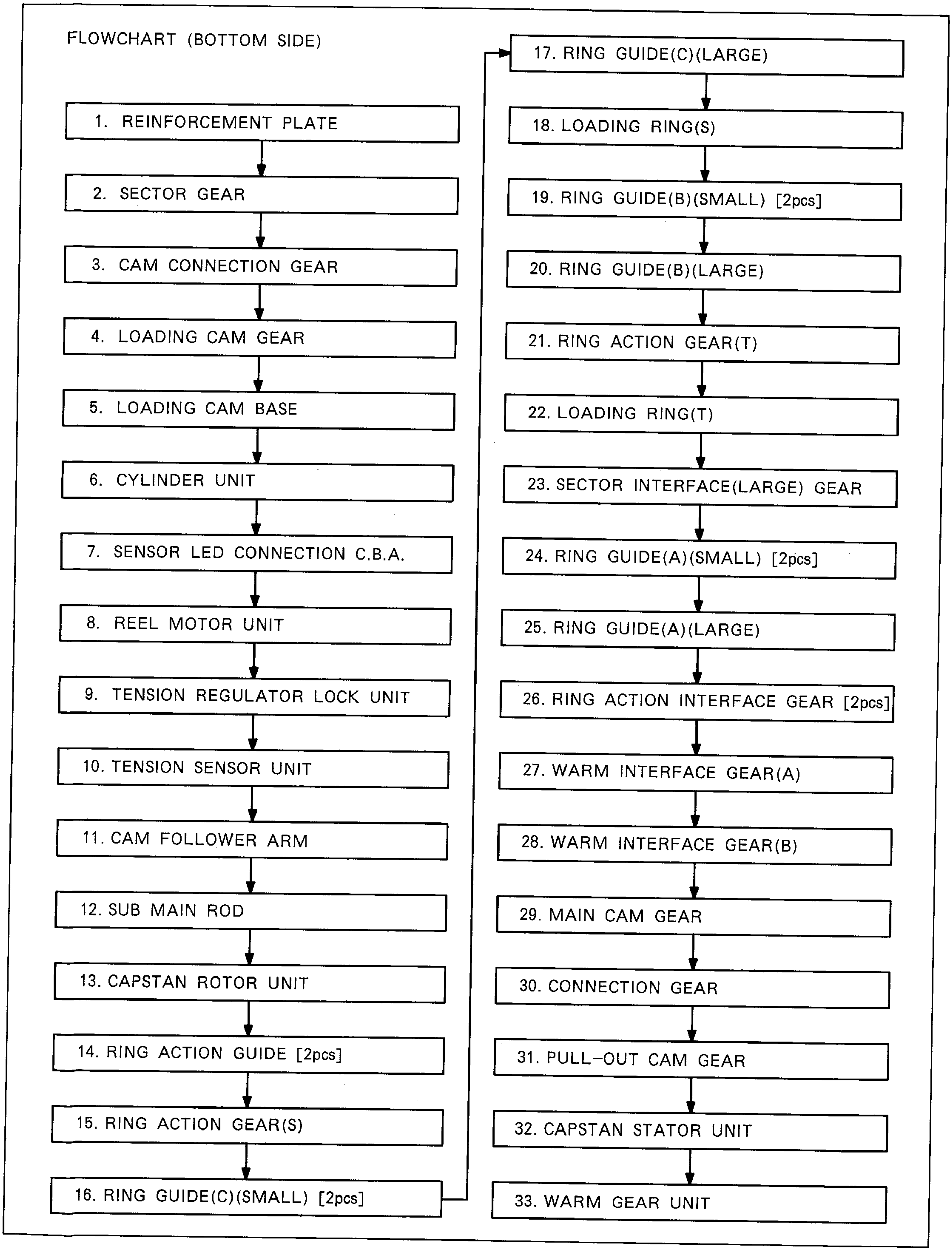

FLOWCHART (BOTTOM SIDE)
1. REINFORCEMENT PLATE
2. SECTOR GEAR
3. CAM CONNECTION GEAR
4. LOADING CAM GEAR
5. LOADING CAM BASE
6. CYLINDER UNIT
7. SENSOR LED CONNECTION C.B.A.
8. REEL MOTOR UNIT
9. TENSION REGULATOR LOCK UNIT
10. TENSION SENSOR UNIT
11. CAM FOLLOWER ARM
12. SUB MAIN ROD
13. CAPSTAN ROTOR UNIT
14. RING ACTION GUIDE [2pcs]
15. RING ACTION GEAR(S)
16. RING GUIDE(C)(SMALL) [2pcs]
17. RING GUIDE(C)(LARGE)
18. LOADING RING(S)
19. RING GUIDE(B)(SMALL) [2pcs]
20. RING GUIDE(B)(LARGE)
21. RING ACTION GEAR(T)
22. LOADING RING(T)
23. SECTOR INTERFACE(LARGE) GEAR
24. RING GUIDE(A)(SMALL) [2pcs]
25. RING GUIDE(A)(LARGE)
26. RING ACTION INTERFACE GEAR [2pcs]
27. WARM INTERFACE GEAR(A)
28. WARM INTERFACE GEAR(B)
29. MAIN CAM GEAR
30. CONNECTION GEAR
31. PULL-OUT CAM GEAR
32. CAPSTAN STATOR UNIT
33. WARM GEAR UNIT

Fig. D32

2–1–6. DETAIL OF DISASSEMBLY METHOD (MECHANISM CHASSIS)

(A) REEL TABLE SECTION

1. REMOVAL OF THE SLIDER UNIT

Remove .... 2 Screws(A–1) [Fig.D33–A]

2. REMOVAL OF THE SAFETY SW DETECTION LEVER UNIT

Remove .... Cut Washer(A–2) [Fig.D33–A]

3. REMOVAL OF THE SAFETY SW DETECTION LEVER SPRING

Remove .... Safety SW Detection Lever Spring [Fig.D33–A]

4. REMOVAL OF THE SAFETY SW

Remove .... Screw(A–3) [Fig.D33–A]
Disconnect ... Connector(P1534) [Fig.D34]

5. REMOVAL OF THE COMPACT CASSETTE POSITION FIXING BASE

Remove .... 2 Cut Washers(A–4) [Fig.D33–A]

6. REMOVAL OF THE COMPACT CASSETTE POSITION FIXING BASE SPRING [2pcs]

Remove .... 2 Compact Cassette Position Fixing Base Springs [Fig.D33–A]

7. REMOVAL OF THE S–VHS DETECTION LEVER

Remove .... Cut Washer(A–5) [Fig.D33–A]

8. REMOVAL OF THE S–VHS DETECTION LEVER SPRING

Remove .... S–VHS Detection Lever Spring [Fig.D33–A]

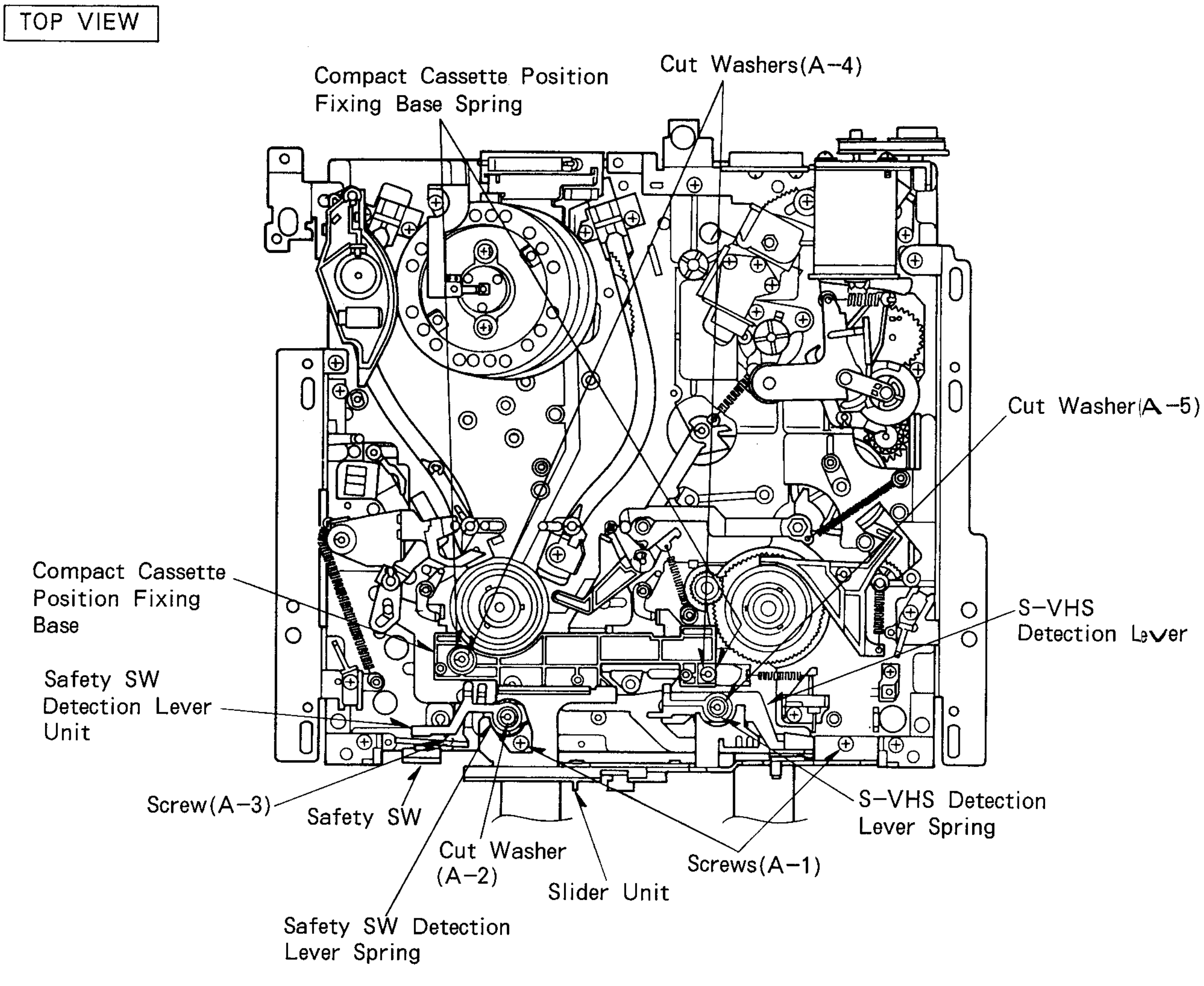

TOP VIEW
Compact Cassette Position Fixing Base Spring
Cut Washers(A–4)
Cut Washer(A–5)
Compact Cassette Position Fixing Base
S–VHS Detection Lever
Safety SW Detection Lever Unit
Screw(A–3)
Safety SW
Cut Washer (A–2)
Slider Unit
Screws(A–1)
S–VHS Detection Lever Spring
Safety SW Detection Lever Spring

Fig. D33–A

9. REMOVAL OF THE S-VHS DETECTION SW UNIT

Release	Spring(A-6) [Fig.D33-B]
Remove	2 Screws(A-7) [Fig.D33-B]
Disconnect ...	Connector(P1537) [Fig.D34]

10. REMOVAL OF THE TAKE-UP SOFT BRAKE

Release	Spring(A-8) [Fig.D33-B]
Remove	Cut Washer(A-9) [Fig.D33-B]

11. REMOVAL OF THE TENSION ARM UNIT

Release	Spring(A-10) [Fig.D33-B]
Remove	Cut Washer(A-11) [Fig.D33-B]

12. REMOVAL OF THE CHANGE LEVER

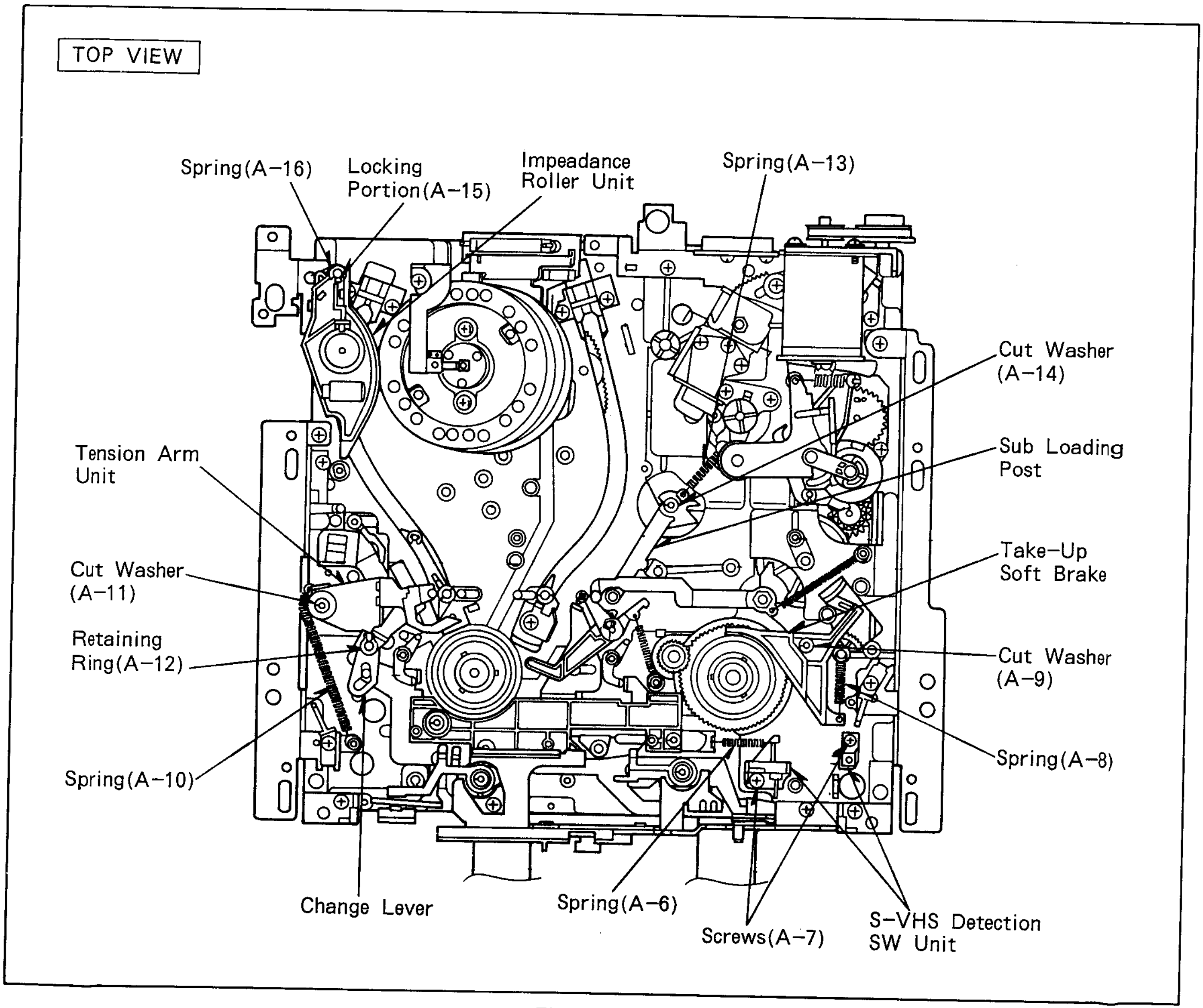
Remove	Retaining Ring(A-12) [Fig.D33-B]

13. REMOVAL OF THE SUB LOADING POST

Release	Spring(A-13) [Fig.D33-B]
Remove	Cut Washer(A-14) [Fig.D33-B]

14. REMOVAL OF THE IMPEDANCE ROLLER UNIT

Unlock	Locking Portion(A-15) [Fig.D33-B]
Release	Spring(A-16) [Fig.D33-B]



TOP VIEW
Spring(A-16)
Locking Portion(A-15)
Impeadance Roller Unit
Spring(A-13)
Cut Washer (A-14)
Sub Loading Post
Tension Arm Unit
Cut Washer (A-11)
Take-Up Soft Brake
Retaining Ring(A-12)
Cut Washer (A-9)
Spring(A-8)
Spring(A-10)
Change Lever
Spring(A-6)
Screws(A-7)
S-VHS Detection SW Unit

Fig. D33-B

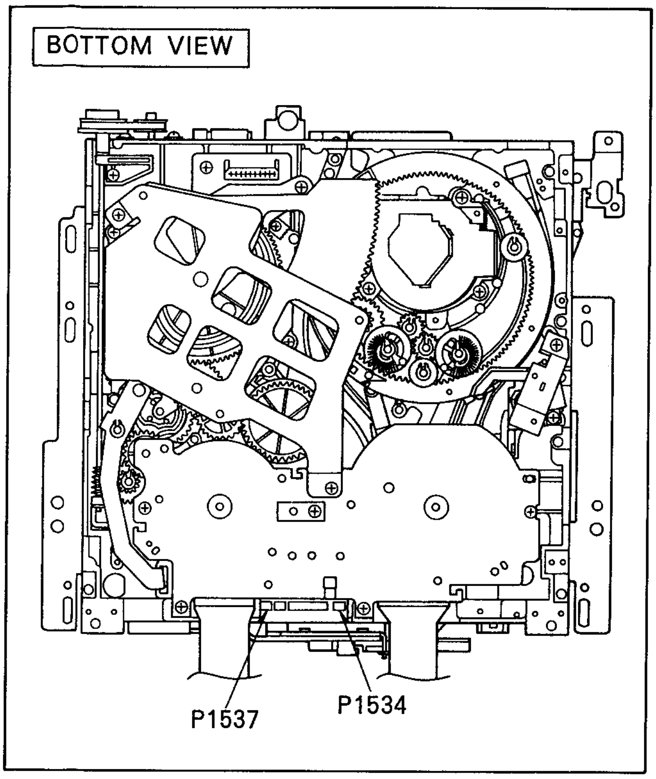


Fig. D34

15. REMOVAL OF THE IMPEDANCE ROLLER PRESSURE ARM

Release ...... Spring(A-17) [Fig.D35]

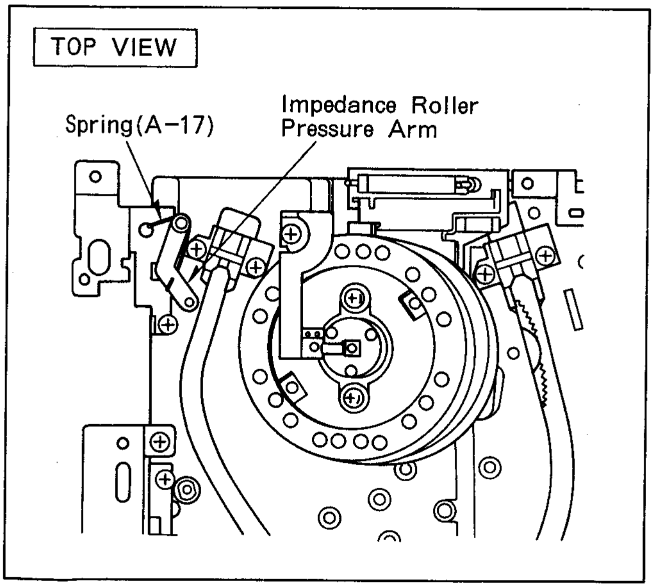


Fig. D35

16. REMOVAL OF THE COMPACT CASSETTE HEIGHT BASE(S)

Remove .... Cut Washer(A-18) [Fig.D36]

17. REMOVAL OF THE COMPACT CASSETTE HEIGHT BASE(S) SPRING

Remove .... Compact Cassette Height Base(S) Spring [Fig.D36]

18. REMOVAL OF THE COMPACT CASSETTE HEIGHT BASE(T)

Remove .... Cut Washer(A-19) [Fig.D36]

19. REMOVAL OF THE COMPACT CASSETTE HEIGHT BASE(T) SPRING

Remove .... Compact Cassette Height Base(T) Spring [Fig.D36]

20. REMOVAL OF THE SENSOR LED UNIT

Unsolder	2 Soldering Portions(A-20) [Fig.D37]
Pull-Out	2 Leads of Sensor LED (A-21) [Fig.D36]
Remove	Reinforcement Plate [Fig.D37] (Remove ... 2 Screws(A-22)) [Fig.D37]
Remove	Sensor LED Cap [Fig.D36] (Push Sensor LED Cap from bottom side using (-)driver.)
Release	Spring(A-23) [Fig.D36]

21. REMOVAL OF THE COMPACT CASSETTE DRIVE GEAR

Remove .... Cut Washer(A-24) [Fig.D36]

22. REMOVAL OF THE COMPACT CASSETTE DRIVE GEAR SPRING

Remove .... Compact Cassette Drive Gear Spring [Fig.D36]

23. REMOVAL OF THE MAIN ROD

Remove .... 3 Cut Washers(A-25) [Fig.D36]

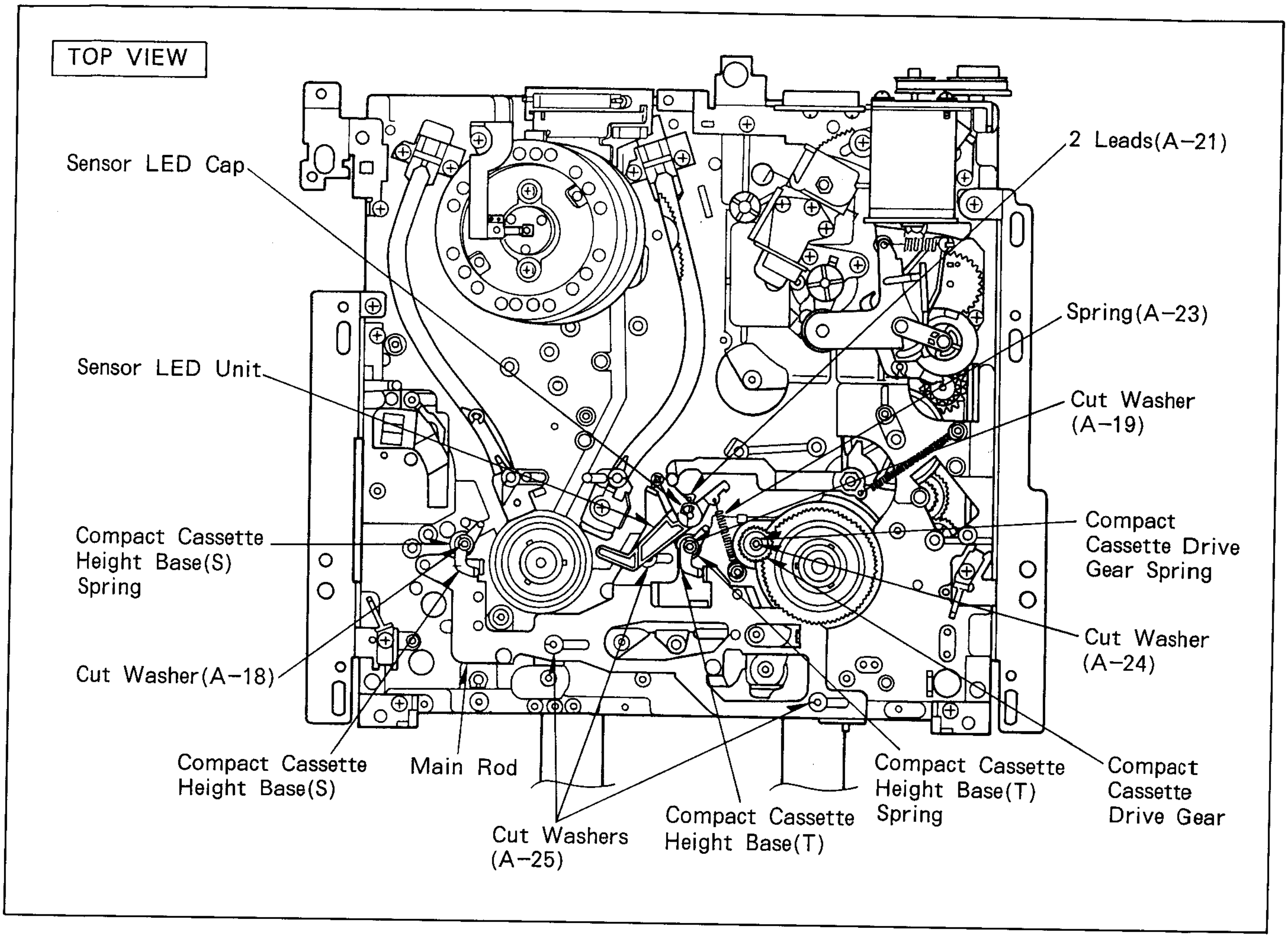

TOP VIEW
Sensor LED Cap
Sensor LED Unit
Compact Cassette Height Base(S) Spring
Cut Washer(A-18)
Compact Cassette Height Base(S)
Main Rod
Cut Washers (A-25)
Compact Cassette Height Base(T)
Compact Cassette Height Base(T) Spring
Compact Cassette Drive Gear
2 Leads(A-21)
Spring(A-23)
Cut Washer (A-19)
Compact Cassette Drive Gear Spring
Cut Washer (A-24)

Fig. D36

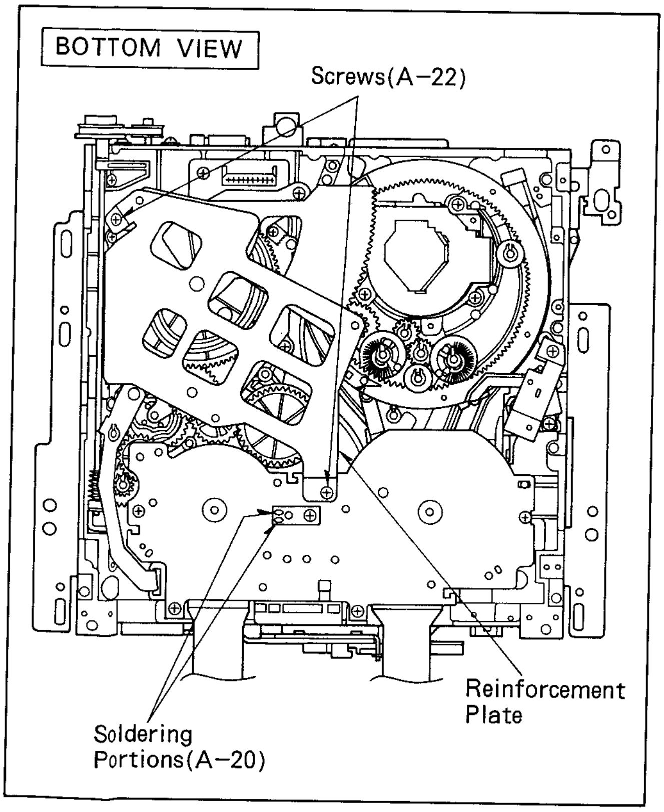

BOTTOM VIEW
Screws(A-22)
Soldering Portions(A-20)
Reinforcement Plate

Fig. D37

(B) LOADING MOTOR SECTION

1. REMOVAL OF THE TIMING BELT

   Remove .... Timing Belt [Fig.D38]

2. REMOVAL OF THE PINCH CAP

   Unlock .... Locking Portion(B-1) [Fig.D38]

3. REMOVAL OF THE PRESSURE ROLLER UNIT

   Remove .... Pressure Roller Unit [Fig.D38]

4. REMOVAL OF THE PINCH CAM GEAR

   Remove .... Pinch Cam Gear [Fig.D38]

5. REMOVAL OF THE STOPPER ARM

   Remove .... Retaining Ring(B-2) [Fig.D38]

6. REMOVAL OF THE PINCH SPEED DOWN GEAR

   Remove .... Pinch Speed Down Gear [Fig.D38]

7. REMOVAL OF THE LOADING MOTOR UNIT

Remove	2 Screws(B-3) [Fig.D38]
Disconnect ...	Connector(P1532) [Fig.D38]

8. REMOVAL OF THE MODE SELECT SW

Remove	Screw(B-4) [Fig.D38]

9. REMOVAL OF THE P5 POST UNIT

Release	Spring(B-5) [Fig.D38]
Remove	Nut(B-6) [Fig.D38]

(C) BOTTOM SIDE

1. REMOVAL OF THE REINFORCEMENT PLATE

Remove	2 Screws(C-1) [Fig.D39]

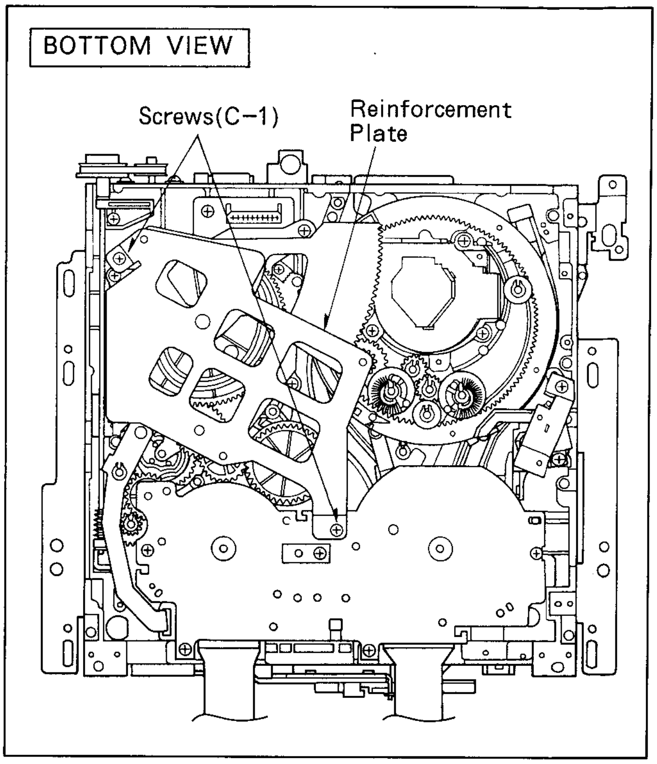

BOTTOM VIEW
Screws(C-1)
Reinforcement Plate

Fig. D39

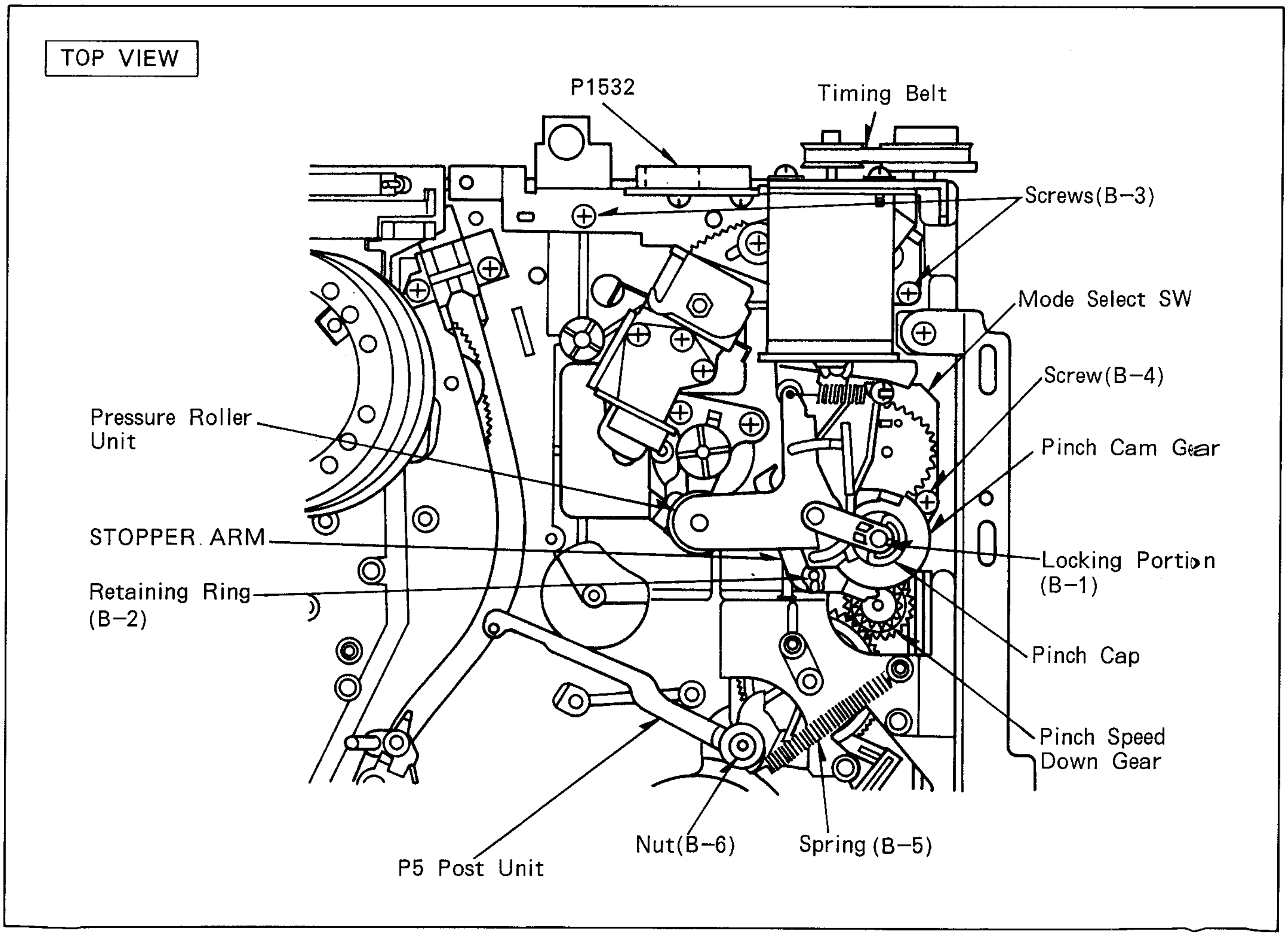

TOP VIEW
P1532
Timing Belt
Screws(B-3)
Mode Select SW
Screw(B-4)
Pinch Cam Gear
Pressure Roller Unit
STOPPER ARM
Locking Portion (B-1)
Retaining Ring (B-2)
Pinch Cap
Pinch Speed Down Gear
Nut(B-6)
Spring (B-5)
P5 Post Unit

Fig. D38

2. REMOVAL OF THE SECTOR GEAR

Remove .... Retaining Ring(C–2) [Fig.D40]

3. REMOVAL OF THE CAM CONNECTION GEAR

Remove .... Cam Connection Gear [Fig.D40]

4. REMOVAL OF THE LOADIGN CAM GEAR

Remove .... Loading Cam Gear [Fig.D40]

5. REMOVAL OF THE LOADING CAM BASE

Remove .... 4 Screws(C–3) [Fig.D40]

6. REMOVAL OF THE CYLINDER UNIT

Remove .... Earth Plate [Fig.D41]
(Remove ... Screw(C–4))
[Fig.D41]
Remove .... 3 Screws(C–5) [Fig.D40]

7. REMOVAL OF THE SENSOR LED CONNECTION C.B.A.

Unlock .... 2 Soldering Portions(C–6) [Fig.D40]
Disconnect ... Connector(P1536) [Fig.D40]
Remove .... Screw(C–7) [Fig.D40]

8. REMOVAL OF THE REEL MOTOR UNIT

Remove .... 4 Screws(C–8) [Fig.D40]

9. REMOVAL OF THE TENSION REGULATOR LOCK UNIT

Remove .... Screw(C–9) [Fig.D40]

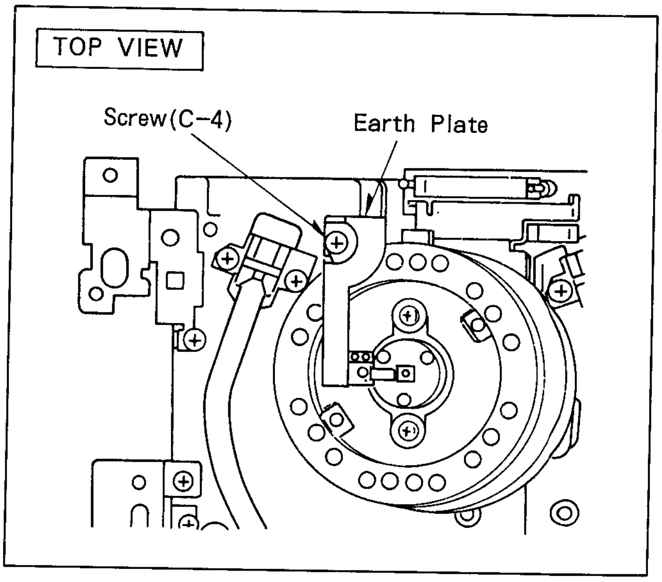

TOP VIEW
Screw(C–4)
Earth Plate

Fig. D41

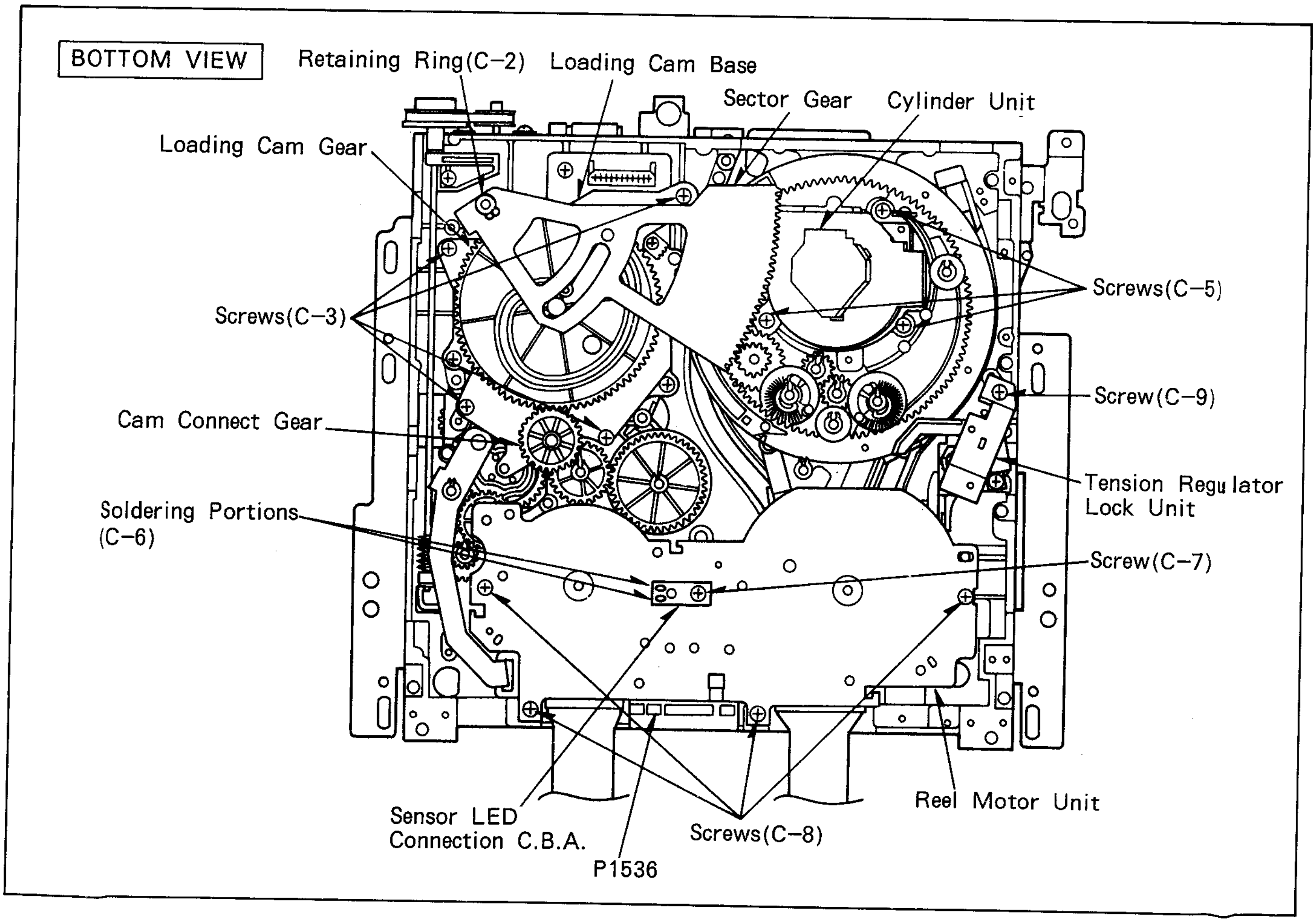

BOTTOM VIEW
Retaining Ring(C–2)
Loading Cam Base
Sector Gear
Cylinder Unit
Loading Cam Gear
Screws(C–5)
Screws(C–3)
Screw(C–9)
Cam Connect Gear
Tension Regulator Lock Unit
Soldering Portions (C–6)
Screw(C–7)
Reel Motor Unit
Sensor LED Connection C.B.A.
Screws(C–8)
P1536

Fig. D40

10. REMOVAL OF THE TENSION SENSOR UNIT

Remove .... Screw(C–10) [Fig.D42]

11. REMOVAL OF THE CAM FOLLOWER ARM

Remove .... Retaining Ring(C–11) [Fig.D42]

12. REMOVAL OF THE SUB MAIN ROD

Remove .... 2 Cut Washers(C–12) [Fig.D42]

13. REMOVAL OF THE CAPSTAN ROTOR UNIT

Remove .... Capstan Rotor Unit [Fig.D42]

14. REMOVAL OF THE RING ACTION GUIDE [2pcs]

Remove .... Retaining Ring(C–13) [Fig.D42]

15. REMOVAL OF THE RING ACTION GEAR(S)

Remove .... Retaining Ring(C–14) [Fig.D42]

16. REMOVAL OF THE RING GUIDE(C) (SMALL) [2pcs]

Remove .... 4 Retaining Rings(C–15) [Fig.D42]

17. REMOVAL OF THE RING GUIDE(C) (LARGE)

Remove .... 2 Retaining Rings(C–16) [Fig.D42]

18. REMOVAL OF THE LOADING RING(S)

Remove .... Loading Ring(S) [Fig.D42]

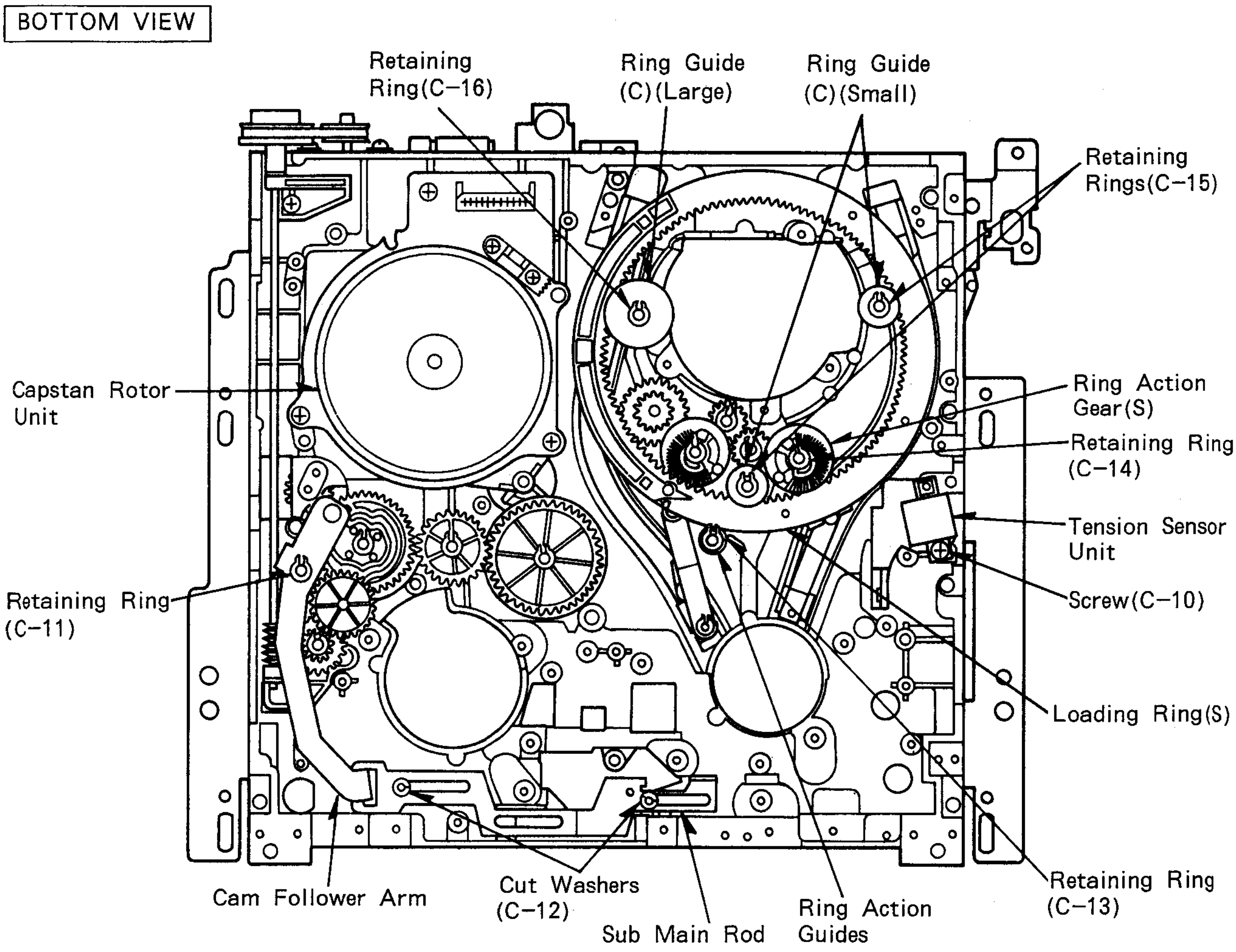

BOTTOM VIEW
Retaining Ring(C–16)
Ring Guide (C)(Large)
Ring Guide (C)(Small)
Retaining Rings(C–15)
Capstan Rotor Unit
Ring Action Gear(S)
Retaining Ring (C–14)
Tension Sensor Unit
Retaining Ring (C–11)
Screw(C–10)
Loading Ring(S)
Cam Follower Arm
Cut Washers (C–12)
Sub Main Rod
Ring Action Guides
Retaining Ring (C–13)

Fig. D42

19. REMOVAL OF THE RING GUIDE(B)(SMALL) [2pcs]

Remove .... 2 Ring Guide(B)(Small) [Fig.D43]

20. REMOVAL OF THE RING GUIDE(B)(LARGE)

Remove .... Ring Guide(B)(Large) [Fig.D43]

21. REMOVAL OF THE RING ACTION GEAR(T)

Remove .... Retaining Ring(C–17) [Fig.D43]

22. REMOVAL OF THE LOADING RING(T)

Remove .... Retaining Ring(C–18) [Fig.D43]

23. REMOVAL OF THE SECTOR INTERFACE(LARGE) GEAR

Remove .... Sector Interface (Large) Gear [Fig.D43]

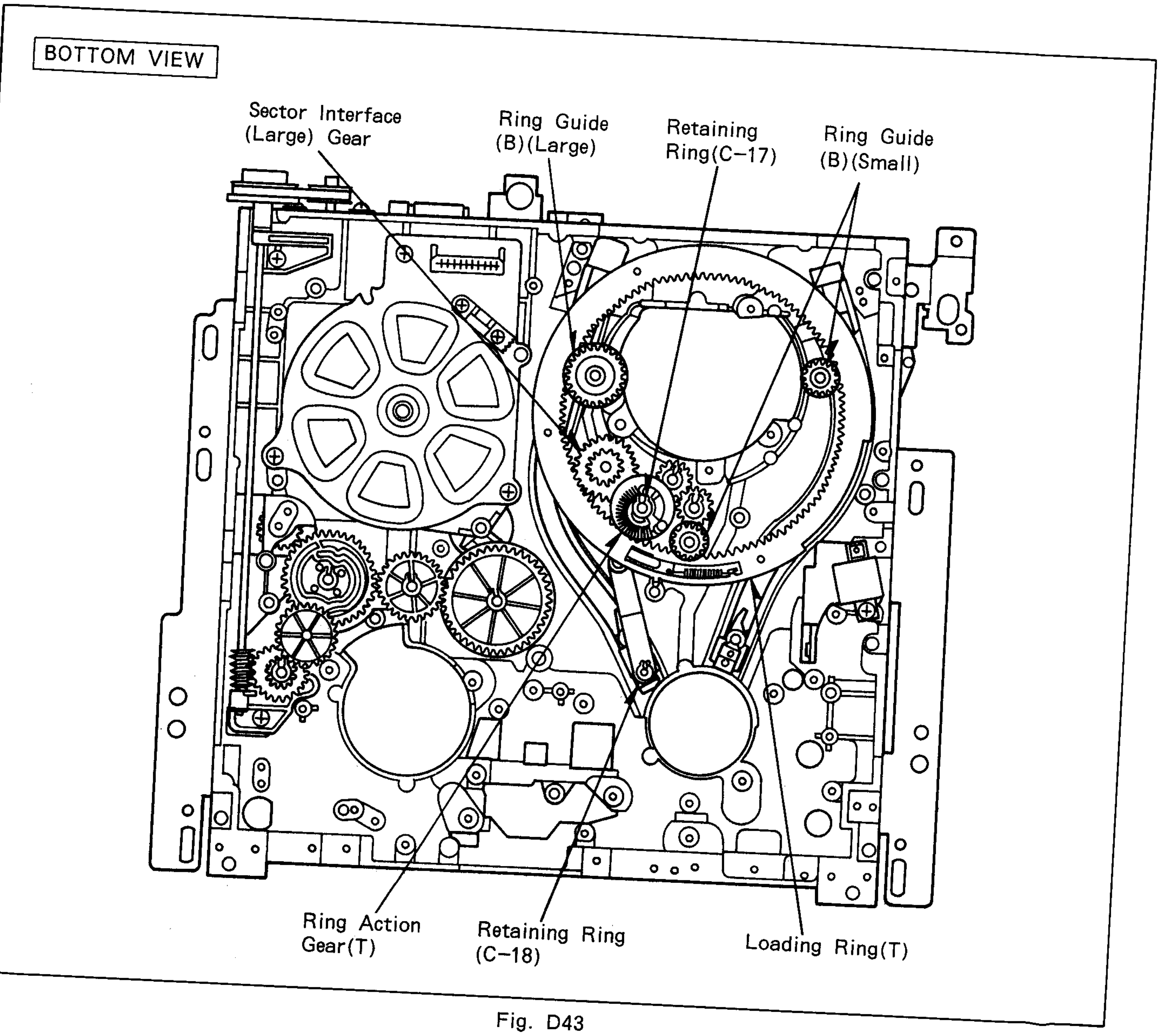

BOTTOM VIEW
Sector Interface (Large) Gear
Ring Guide (B)(Large)
Retaining Ring(C–17)
Ring Guide (B)(Small)
Ring Action Gear(T)
Retaining Ring (C–18)
Loading Ring(T)

Fig. D43

24. REMOVAL OF THE RING GUIDE(A) (SMALL) [2pcs]

Remove .... 2 Ring Guide(A)(Small) [Fig.D44]

25. REMOVAL OF THE RING GUIDE(A) (LARGE)

Remove .... Ring Guide(A)(Large) [Fig.D44]

26. REMOVAL OF THE RING ACTION INTERFACE GEAR [2pcs]

Remove .... 2 Retaining Rings(C–19) [Fig.D44]

27. REMOVAL OF THE WARM INTERFACE GEAR(A)

Remove .... Retaining Ring(C–20) [Fig.D44]

28. REMOVAL OF THE WARM INTERFACE GEAR(B)

Remove .... Retaining Ring(C–21) [Fig.D44]

29. REMOVAL OF THE MAIN CAM GEAR

Remove .... Retaining Ring(C–22) [Fig.D44]

30. REMOVAL OF THE CONNECTION GEAR

Remove .... Retaining Ring(C–23) [Fig.D44]

31. REMOVAL OF THE PULL–OUT CAM GEAR

Remove .... Retaining Ring(C–24) [Fig.D44]

32. REMOVAL OF THE CAPSTAN STATOR UNIT

Remove .... 3 Screws(C–25) [Fig.D44]

33. REMOVAL OF THE WARM GEAR UNIT

Remove .... 2 Screws(C–26) [Fig.D44]

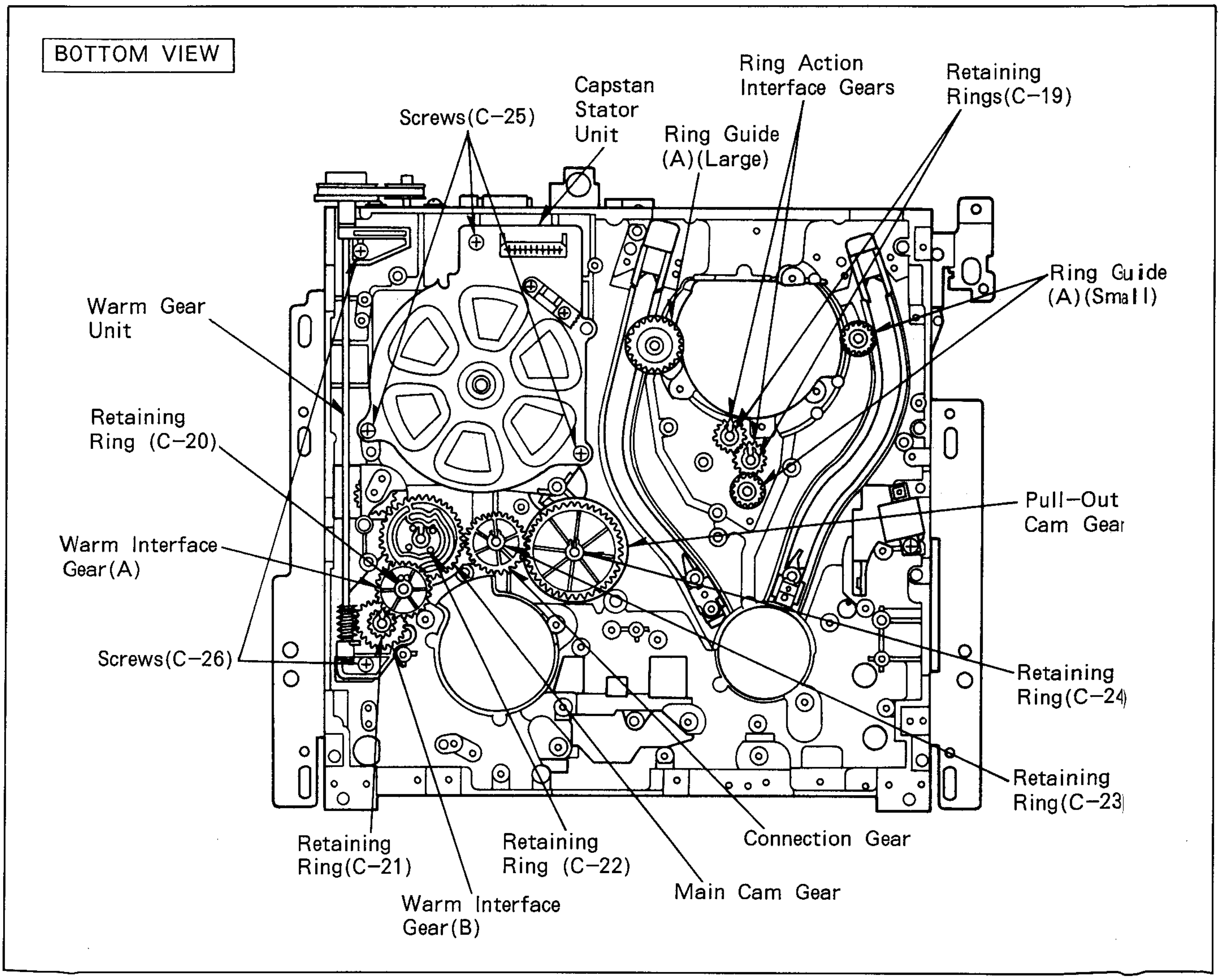

BOTTOM VIEW
Screws(C–25)
Capstan Stator Unit
Ring Guide (A)(Large)
Ring Action Interface Gears
Retaining Rings(C–19)
Ring Guide (A)(Small)
Warm Gear Unit
Retaining Ring (C–20)
Warm Interface Gear(A)
Screws(C–26)
Pull–Out Cam Gear
Retaining Ring(C–24
Retaining Ring(C–23
Retaining Ring(C–21)
Retaining Ring (C–22)
Warm Interface Gear(B)
Connection Gear
Main Cam Gear

Fig. D44

2-2. ASSEMBLY METHOD

2-2-1. ASSEMBLY FLOWCHART (CASSETTE COMPARTMENT UNIT)

Note:
Cassette compartment unit is assembled on between Full cassette mode and compact cassette mode.

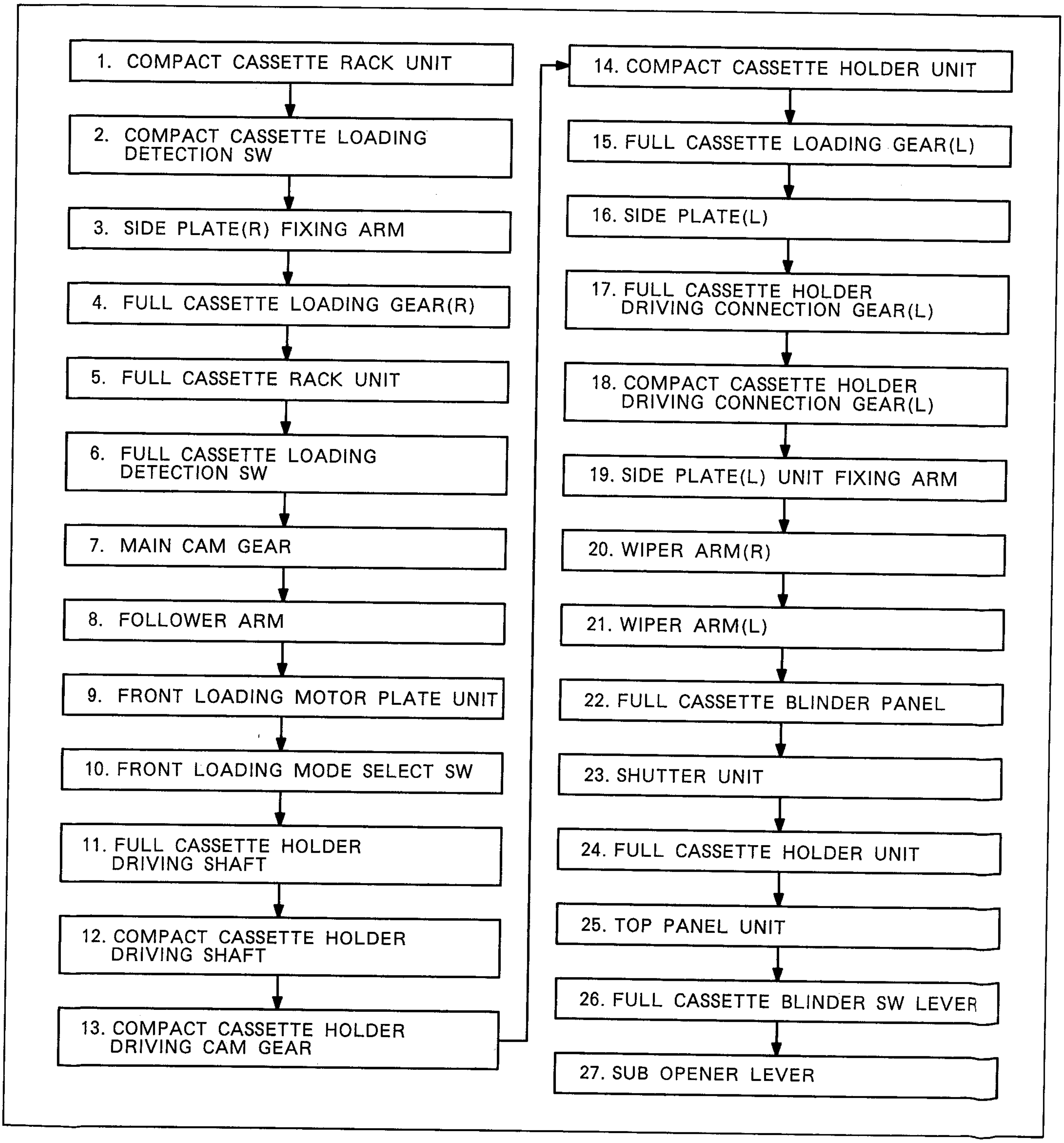

1. COMPACT CASSETTE RACK UNIT
2. COMPACT CASSETTE LOADING DETECTION SW
3. SIDE PLATE(R) FIXING ARM
4. FULL CASSETTE LOADING GEAR(R)
5. FULL CASSETTE RACK UNIT
6. FULL CASSETTE LOADING DETECTION SW
7. MAIN CAM GEAR
8. FOLLOWER ARM
9. FRONT LOADING MOTOR PLATE UNIT
10. FRONT LOADING MODE SELECT SW
11. FULL CASSETTE HOLDER DRIVING SHAFT
12. COMPACT CASSETTE HOLDER DRIVING SHAFT
13. COMPACT CASSETTE HOLDER DRIVING CAM GEAR
14. COMPACT CASSETTE HOLDER UNIT
15. FULL CASSETTE LOADING GEAR(L)
16. SIDE PLATE(L)
17. FULL CASSETTE HOLDER DRIVING CONNECTION GEAR(L)
18. COMPACT CASSETTE HOLDER DRIVING CONNECTION GEAR(L)
19. SIDE PLATE(L) UNIT FIXING ARM
20. WIPER ARM(R)
21. WIPER ARM(L)
22. FULL CASSETTE BLINDER PANEL
23. SHUTTER UNIT
24. FULL CASSETTE HOLDER UNIT
25. TOP PANEL UNIT
26. FULL CASSETTE BLINDER SW LEVER
27. SUB OPENER LEVER

Fig. A1

2-2-2. DETAIL OF ASSEMBLY METHOD (CASSETTE COMPARTMENT UNIT)

1. INSTALLING OF THE COMPACT CASSETTE RACK UNIT

(1) Install the Compact Cassette Rack Unit so that the Cutting Portion(D-1) of Compact Cassette Rack Unit is exactly in line with the Groove (D-2) of Side Plate(R). [Fig.A2]

(2) Hook the Spring(D-3) to the Hooking Portion (D-4) of Compact Cassette Rack Unit. [Fig.A2]

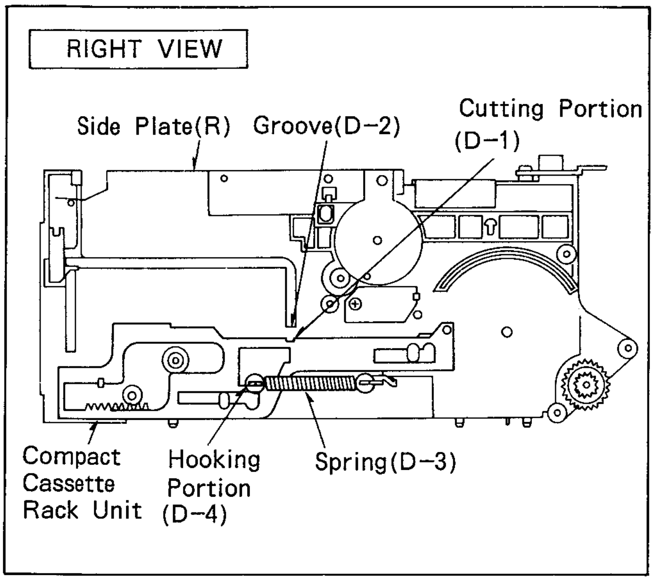

RIGHT VIEW
Side Plate(R)
Groove(D-2)
Cutting Portion (D-1)
Compact Cassette Rack Unit
Hooking Portion (D-4)
Spring(D-3)

Fig. A2

2. INSTALLING OF THE COMPACT LOADING DETECTION SW

(1) Install the Compact Cassette Loading Detection SW so that the Moving Contact(D-5) of Compact Cassette Loading Detection SW holds the Lever(D-6) of Compact Cassette Rack Unit. [Fig.A3]

(2) Tighten the Screw(D-7). [Fig.A3]

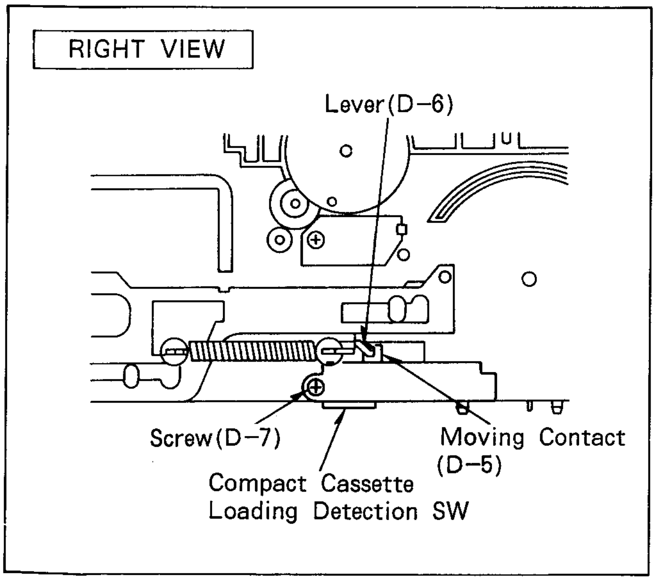

RIGHT VIEW
Lever(D-6)
Screw(D-7)
Moving Contact (D-5)
Compact Cassette Loading Detection SW

Fig. A3

3. INSTALLING OF THE SIDE PLATE(R) FIXING ARM

(1) Install the Side Plate(R) Fixing Arm so that the Cutting Portion(D-8) of Side Plate(R) Fixing Arm holds the Lever(D-9) of Compact Cassette Moving Rod(R). [Fig.A4]

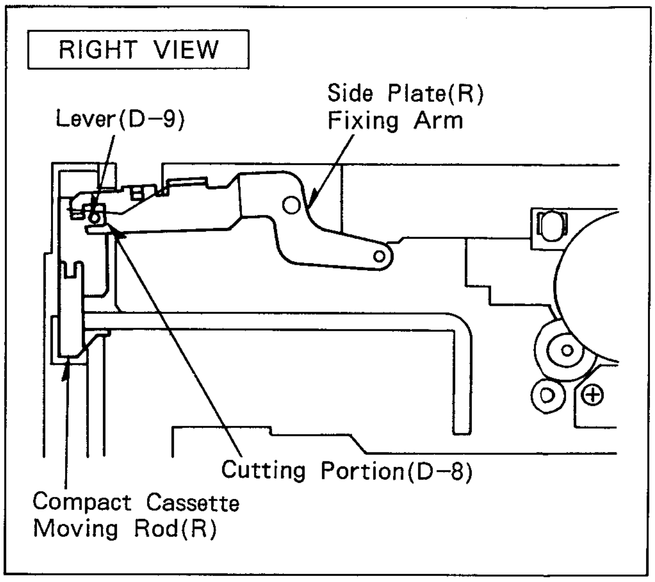

RIGHT VIEW
Lever(D-9)
Side Plate(R) Fixing Arm
Cutting Portion(D-8)
Compact Cassette Moving Rod(R)

Fig. A4

4. INSTALLING OF THE FULL CASSETTE LOADING GEAR(R)

(1) Install the Full Cassette Loading Gear(R) so that the Connection Hole(D-10) of Full Cassette Loading Gear(R) is exactly in line with the Rod(D-11) of Side Plate(R). [Fig.A5]

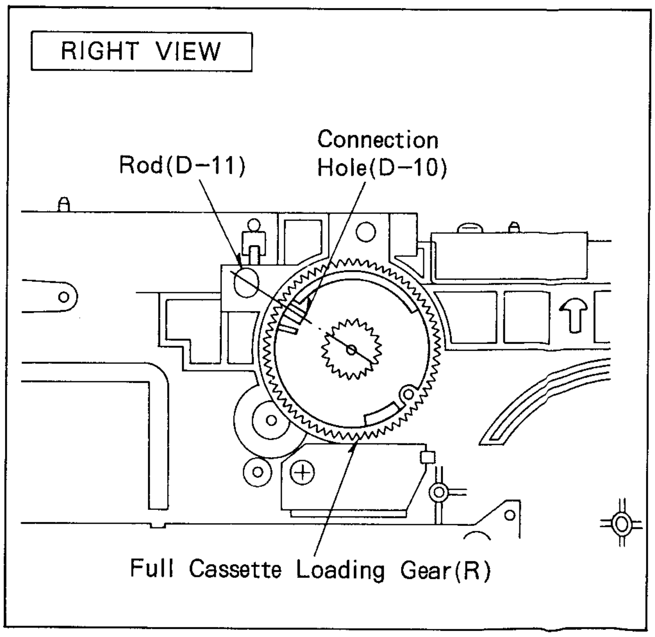

RIGHT VIEW
Rod(D-11)
Connection Hole(D-10)
Full Cassette Loading Gear(R)

Fig. A5

5. INSTALLING OF THE FULL CASSETTE RACK UNIT

(1) Release the Spring(D–12) of Full Cassette Rack Unit. [Fig.A6]
(2) Install the Full Cassette Rack Unit so that the First Tip(D–13) of Full Cassette Rack Unit Gear is into next cog from Marking Projection 1 (D–14–1) of Full Cassette Loading Gear(R). [Fig.A6]
(3) Hook the Spring(D–12) of Full Cassette Rack Unit to Hooking Portion(D–15). [Fig.A6]

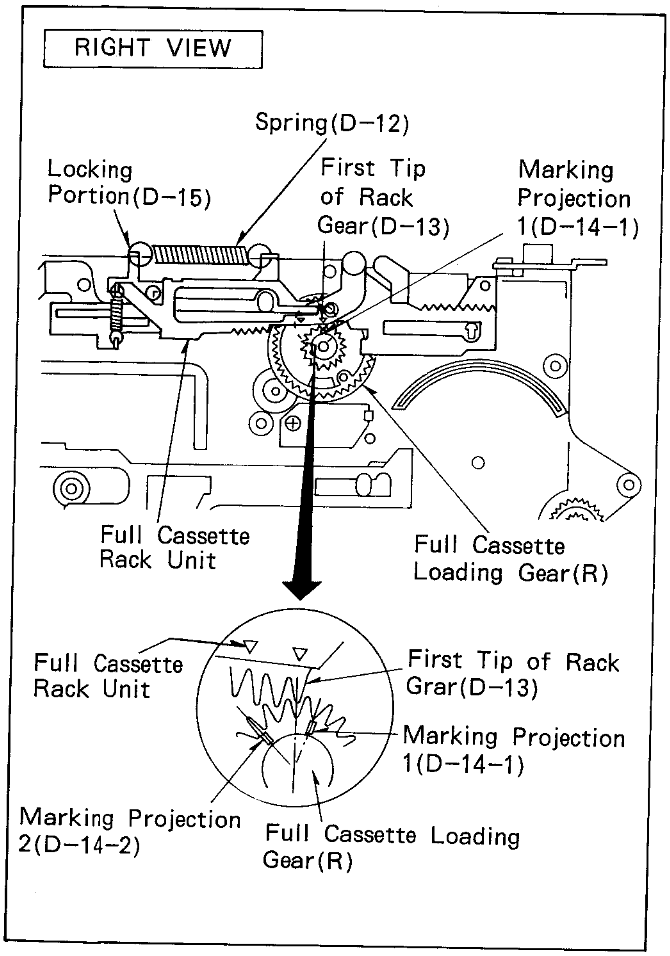

RIGHT VIEW
Spring(D–12)
Locking Portion(D–15)
First Tip of Rack Gear(D–13)
Marking Projection 1(D–14–1)
Full Cassette Rack Unit
Full Cassette Loading Gear(R)
Full Cassette Rack Unit
First Tip of Rack Grar(D–13)
Marking Projection 1(D–14–1)
Marking Projection 2(D–14–2)
Full Cassette Loading Gear(R)

Fig. A6

(4) Slide the Full Cassette Rack Unit to the arrow direction(D–16) so that the Hole(D–17) of Full Cassette Loading Gear(R) is exactly in line with Hole of Side Plate(R). [Fig.A7]
(5) Insert the Fixture(VFK0542) to Hole(D–17) of Full Cassette Loading Gear(R) and Hole of Side Plate(R). [Fig.A7]

Note:
In this moment, also Marking Portion 2(D–14–2) in exactly in line with the Triangle Mark 2(D–14–4).

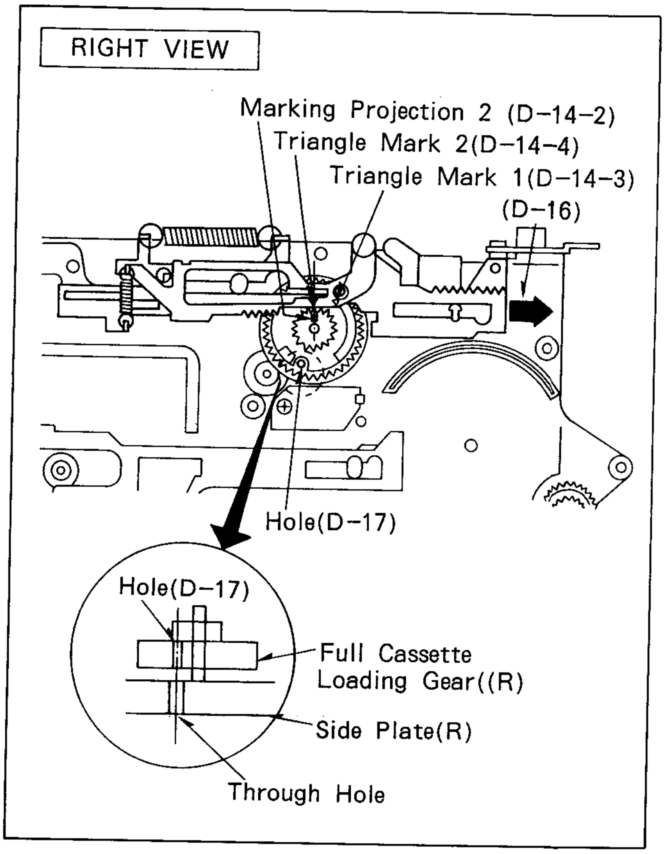

RIGHT VIEW
Marking Projection 2 (D–14–2)
Triangle Mark 2(D–14–4)
Triangle Mark 1(D–14–3)
(D–16)
Hole(D–17)
Hole(D–17)
Full Cassette Loading Gear((R)
Side Plate(R)
Through Hole

Fig. A7

CAUTION:
After assembling the Cassette Compartment Unit completely, please remove the Fixture(VFK0542).

6. INSTALLING OF THE FULL CASSETTE LOADING DETECTION SW

(1) Install the Full Cassette Loading Detection SW so that the Moving Contact(D–18) of Full Cassette Loading Detection SW holds the Lever(D–19) of Full Cassette Rack Unit. [Fig.A8]
(2) Tighten the Screw(D–20). [Fig.A8]

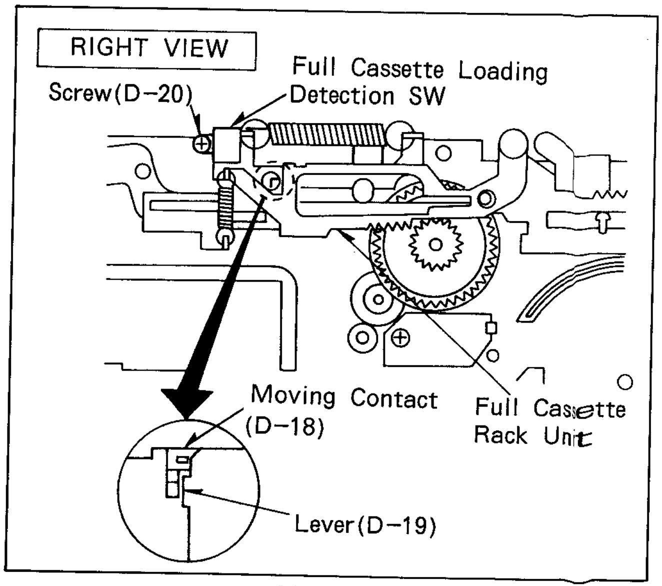

RIGHT VIEW
Full Cassette Loading Detection SW
Screw(D–20)
Moving Contact (D–18)
Full Cassette Rack Unit
Lever(D–19)

Fig. A8

7. INSTALLING OF THE MAIN CAM GEAR

(1) Install the Main Cam Gear so that the Projection(D–21) of Main Cam Gear is exactly in line with the Projection(D–22) of Side Plate(R). [Fig.A9]

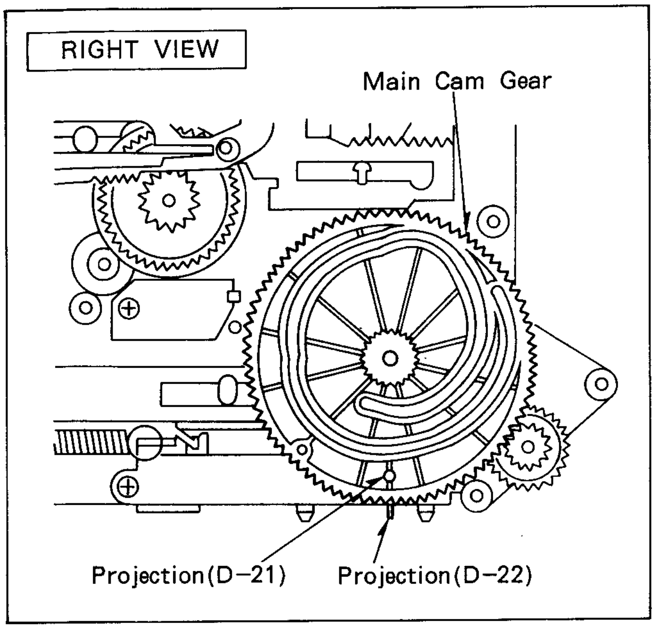

RIGHT VIEW
Main Cam Gear
Projection(D–21)
Projection(D–22)

Fig. A9

8. INSTALLING OF THE FOLLOWER ARM

(1) Install the Follower Arm so that the Pin(D–23) of Follower Arm comes into the Groove(D–24) of Main Cam Gear. [Fig.A10]

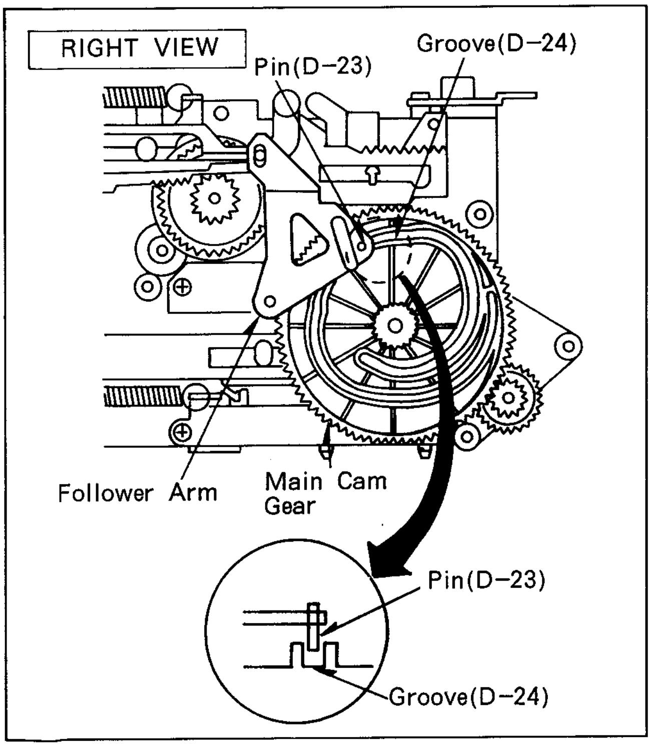

RIGHT VIEW
Pin(D–23)
Groove(D–24)
Follower Arm
Main Cam Gear
Pin(D–23)
Groove(D–24)

Fig. A10

9. INSTALLING OF THE FRONT LOADING MOTOR PLATE UNIT

(1) Install the Front Loading Motor Plate Unit, and then tighten 4 Screws(D–25). [Fig.A11]

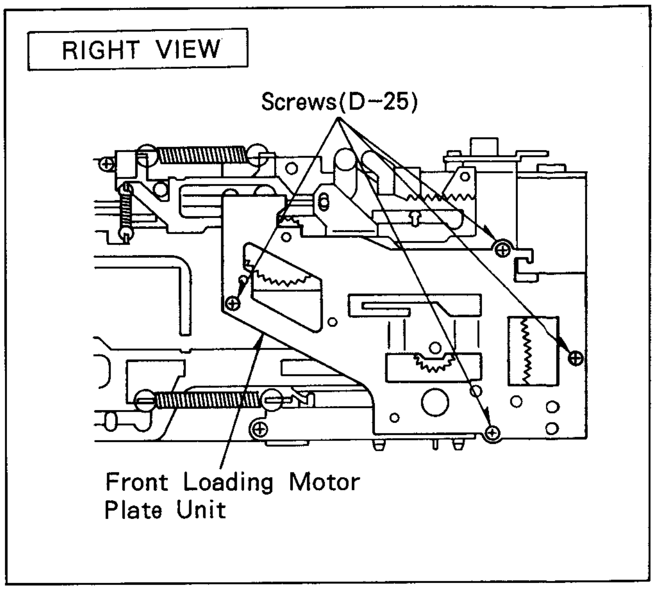

RIGHT VIEW
Screws(D–25)
Front Loading Motor
Plate Unit

Fig. A11

10. INSTALLING OF THE FRONT LOADING MODE SELECT SW

(1) Install the Front Loading Mode Select SW so that the Marking(D–26) is exactly in line with the Shaft(D–27) of Main Cam Gear. [Fig.A12]
(2) Tighten the Screw(D–28). [Fig.A12]

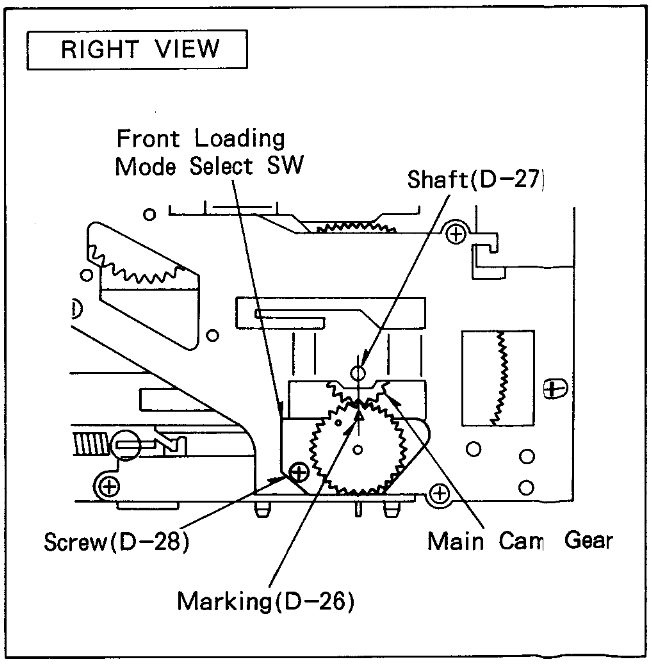

RIGHT VIEW
Front Loading
Mode Select SW
Shaft(D–27)
Screw(D–28)
Main Cam Gear
Marking(D–26)

Fig. A12

11. INSTALLING OF THE FULL CASSETTE HOLDER DRIVING SHAFT

(1) Install the Full Cassette Holder Driving Shaft. [Fig.A13]

Note:
When install the Full Cassette Holder Driving Shaft, Gear, mark meets. Full Cassette Loading Gear(R) for easy phase confirmation.

12. INSTALLING OF THE COMPACT CASSETTE HOLDER DRIVING SHAFT

(1) Install the Compact Cassette Holder Driving Shaft so that the Shaft(D-29) of Compact Cassette Holder Connection Gear(R) is exactly in line with the Marking(D-30) of Compact Cassette Rack Unit. [Fig.A13]

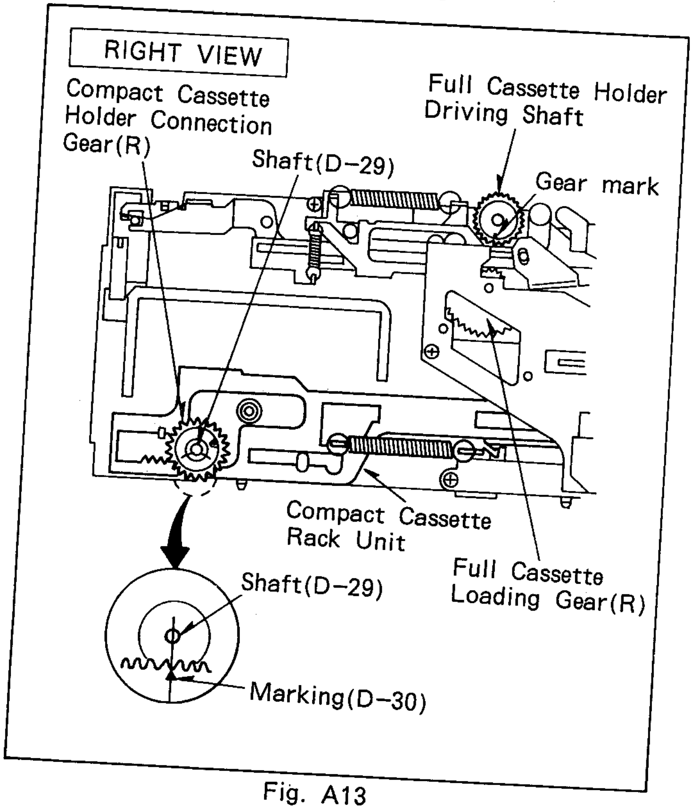

RIGHT VIEW
Compact Cassette Holder Connection Gear(R)
Full Cassette Holder Driving Shaft
Shaft(D-29)
Gear mark
Compact Cassette Rack Unit
Shaft(D-29)
Full Cassette Loading Gear(R)
Marking(D-30)

Fig. A13

13. INSTALLING OF THE COMPACT CASSETTE HOLDER DRIVING CAM

(1) Install the Compact Cassette Holder Driving Cam so that the Edge(D-31) of Compact Cassette Holder Driving Cam comes even to the Edge (D-32) of Cutting Portion of Compact Cassette Holder Driving Shaft. [Fig.A14]
(2) Tighten the Screw(D-33). [Fig.A14]

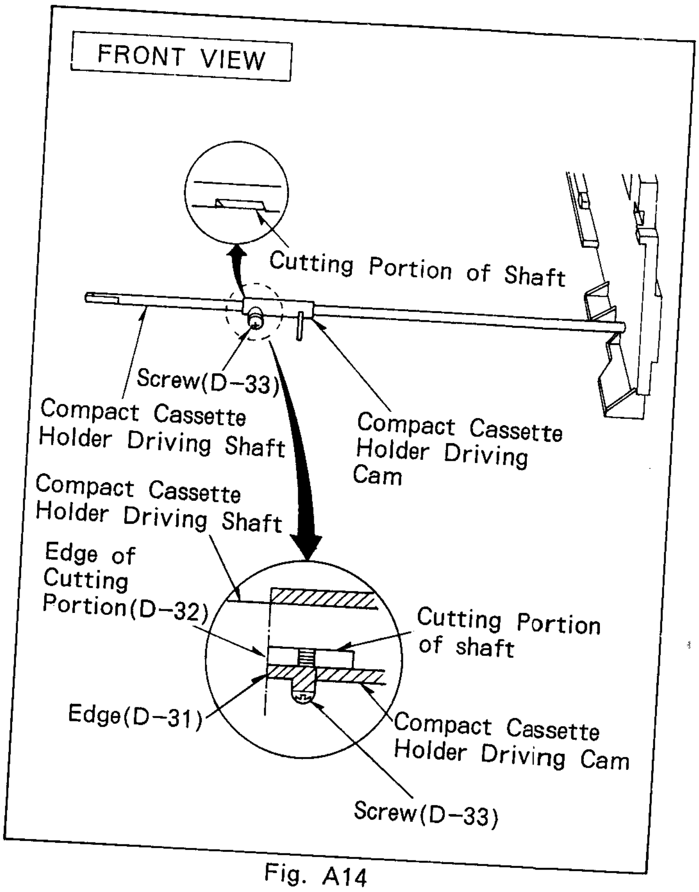

FRONT VIEW
Cutting Portion of Shaft
Screw(D-33)
Compact Cassette Holder Driving Shaft
Compact Cassette Holder Driving Cam
Compact Cassette Holder Driving Shaft
Edge of Cutting Portion(D-32)
Cutting Portion of shaft
Edge(D-31)
Compact Cassette Holder Driving Cam
Screw(D-33)

Fig. A14

14. INSTALLING OF THE COMPACT CASSETTE HOLDER UNIT

(1) Set the Compact Cassette Holder Unit so that the Lever(D-34) of Compact Cassette Holder Unit comes into the Groove(D-35) of Side Plate(L). [Fig.A15]

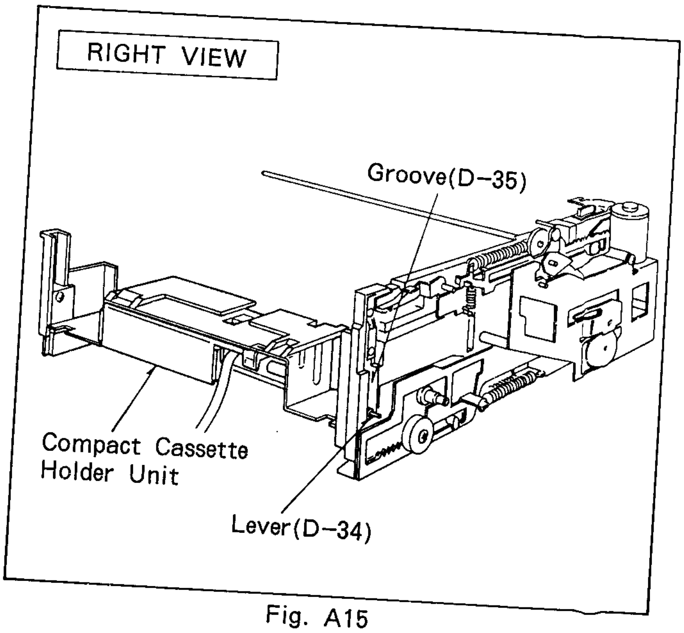

RIGHT VIEW
Groove(D-35)
Compact Cassette Holder Unit
Lever(D-34)

Fig. A15

15. INSTALLING OF THE FULL CASSETTE LOADING GEAR(L)

(1) Install the Full Cassette Loading Gear(L), and then put the Cut Washer(D-36). [Fig.A16]

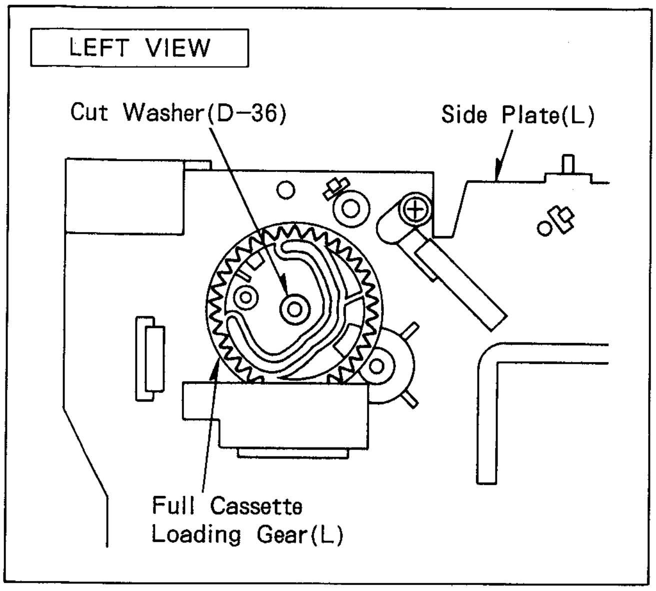

LEFT VIEW
Cut Washer(D-36)
Side Plate(L)
Full Cassette Loading Gear(L)

Fig. A16

16. INSTALLING OF THE SIDE PLATE(L)

(1) Install the Side Plate(L) so that the Full Cassette Holder Driving Shaft, Compact Cassette Holder Driving Shaft and Compact Cassette Holder Unit insert to each holes or groove. [Fig.A17]

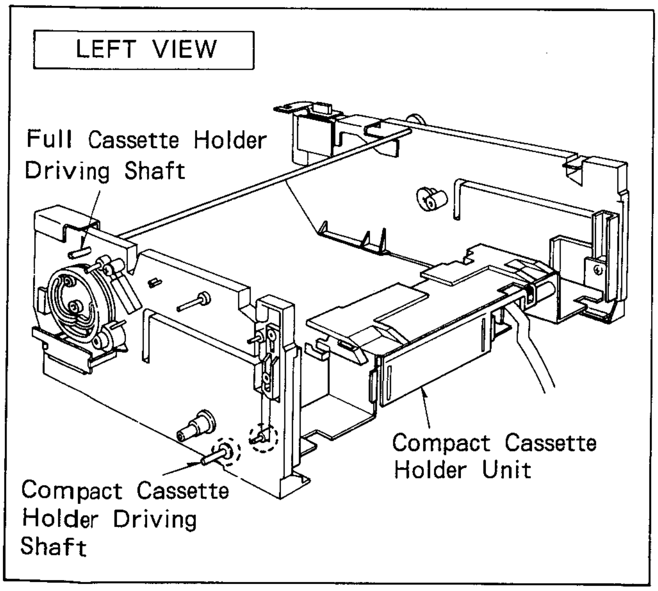

LEFT VIEW
Full Cassette Holder Driving Shaft
Compact Cassette Holder Unit
Compact Cassette Holder Driving Shaft

Fig. A17

17. INSTALLING OF THE FULL CASSETTE HOLDER DRIVING CONNECTION GEAR(L)

(1) Adjust the Full Cassette Loading Gear(L) so that the Hole(D-37) of Full Cassette Loading Gear(L) is exactly in line with hole of Side Plate(L). [Fig.A18]

(2) Insert the Fixture(VFK0542) to Hole(D-37) of Full Cassette Loading Gear(L). [Fig.A18]

(3) Install the Full Cassette Holder Driving Connection Gear(L), and then set the E-Ring (D-38). [Fig.A18]

Note:
When install the Full Cassette Holder Driving Connection Gear, Gear mark meets Gear mark of Full Cassette Loading Gear for easy phase confirmation.

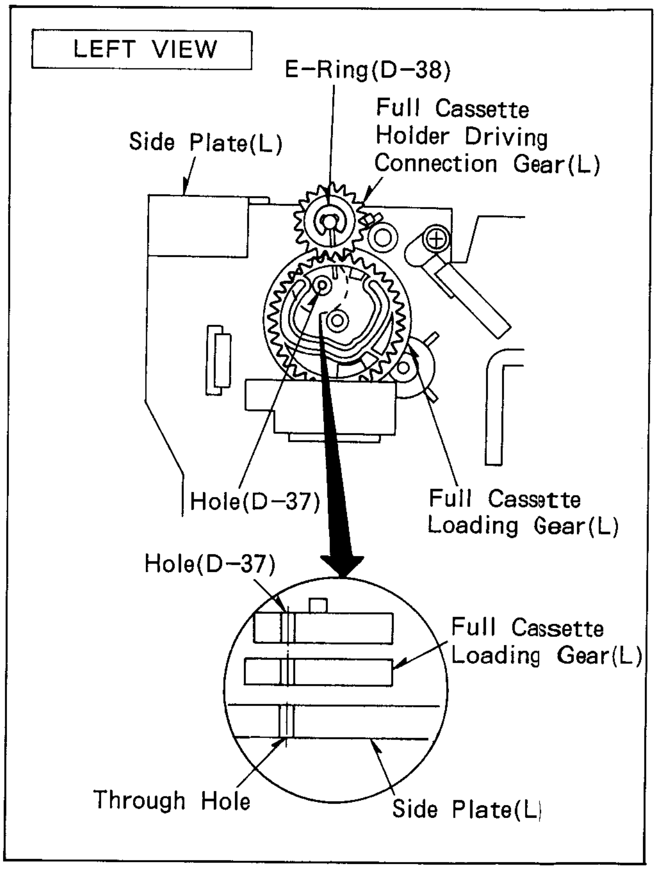

LEFT VIEW
E-Ring(D-38)
Full Cassette Holder Driving Connection Gear(L)
Side Plate(L)
Hole(D-37)
Full Cassette Loading Gear(L)
Hole(D-37)
Full Cassette Loading Gear(L)
Through Hole
Side Plate(L)

Fig. A18

18. INSTALLING OF THE COMPACT CASSETTE HOLDER DRIVING CONNECTION GEAR(L)

(1) Install the Compact Cassette Holder Driving Connection Gear(L), and then put the E-Ring (D-39). [Fig.A19]

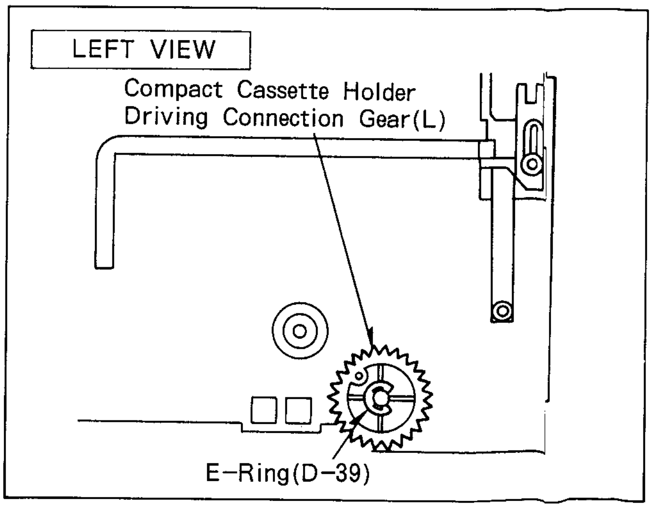

LEFT VIEW
Compact Cassette Holder Driving Connection Gear(L)
E-Ring(D-39)

Fig. A19

19. INSTALLING OF THE SIDE PLATE(L) UNIT FIXING ARM

(1) Install the Side Plate(L) Unit Fixing Arm so that the Cutting Portion(D−40) of Side Plate(L) Unit Fixing Arm holds the Lever(D−41) of Compact Cassette Moving Rod(L). [Fig.A20]
(2) Tighten the Screw(D−42). [Fig.A20]

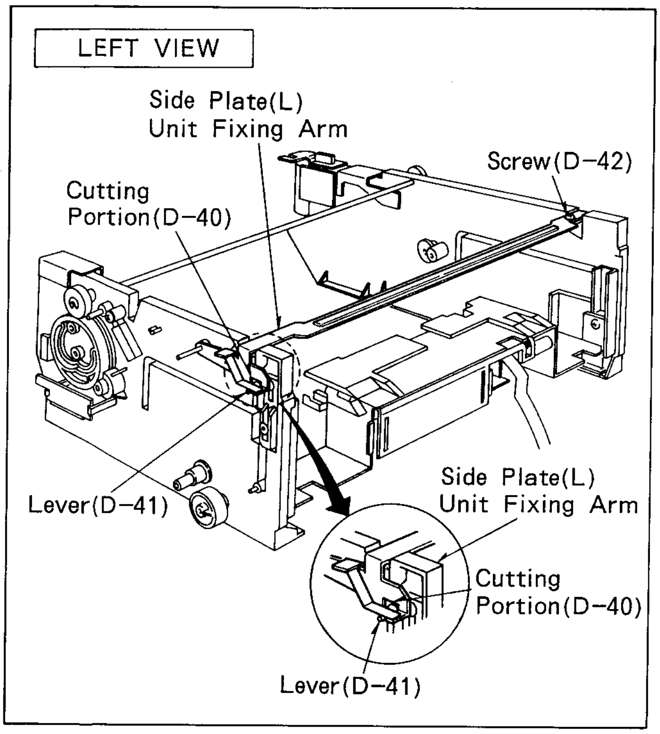

LEFT VIEW
Side Plate(L) Unit Fixing Arm
Screw(D−42)
Cutting Portion(D−40)
Lever(D−41)
Side Plate(L) Unit Fixing Arm
Cutting Portion(D−40)
Lever(D−41)

Fig. A20

20. INSTALLING OF THE WIPER ARM(R)

(1) Install the Wiper Arm(R) so that the Projection(D−43) of Wiper Arm(R) is exactly in line with the Hole(D−44) of Compact Cassette Holder Connection Gear(R). [Fig.A21]
(2) Tighten the Screw(D−45). [Fig.A21]

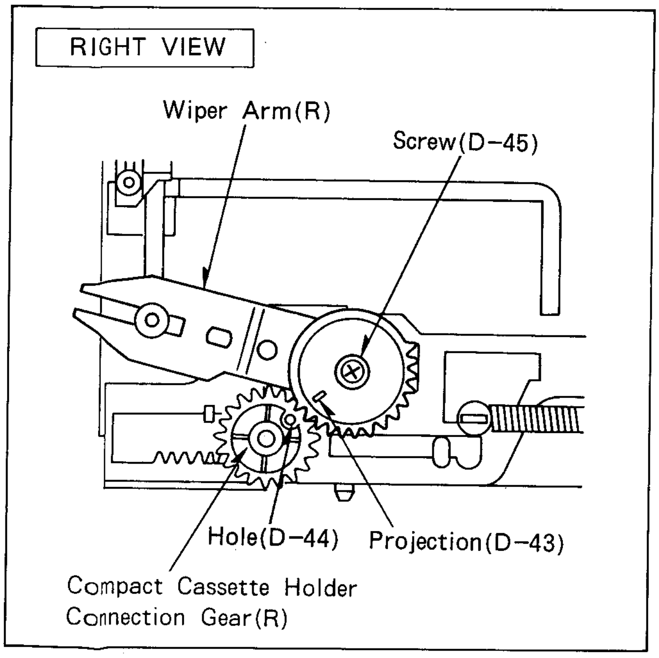

RIGHT VIEW
Wiper Arm(R)
Screw(D−45)
Hole(D−44)
Projection(D−43)
Compact Cassette Holder Connection Gear(R)

Fig. A21

21. INSTALLING OF THE WIPER ARM(L)

(1) Install the Wiper Arm(L) so that the Projection(D−46) of Wiper Arm(L) is exactly in line with the Hole(D−47) of Compact Cassette Holder Connection Gear(L). [Fig.A22]
(2) Tighten the Screw(D−48). [Fig.A22]

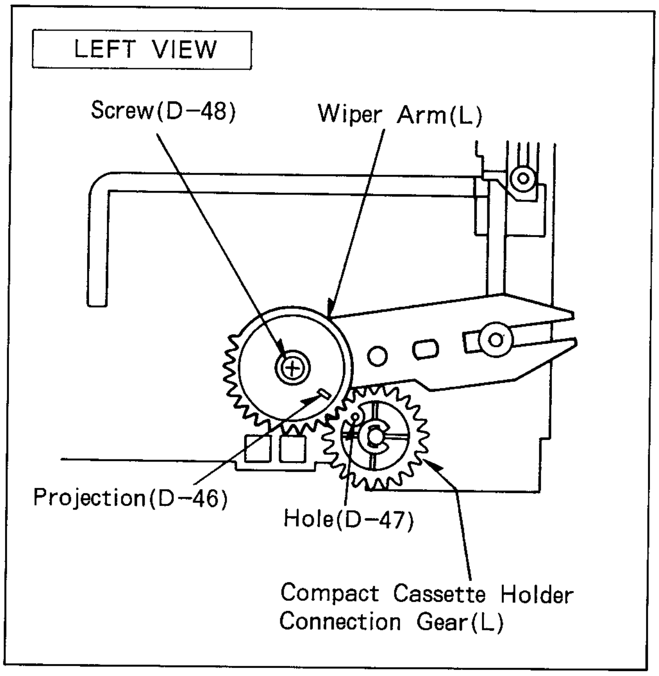

LEFT VIEW
Screw(D−48)
Wiper Arm(L)
Projection(D−46)
Hole(D−47)
Compact Cassette Holder Connection Gear(L)

Fig. A22

22. INSTALLING OF THE FULL CASSETTE BLINDER PANEL

(1) Install the Full Cassette Blinder Panel. [Fig.A23]

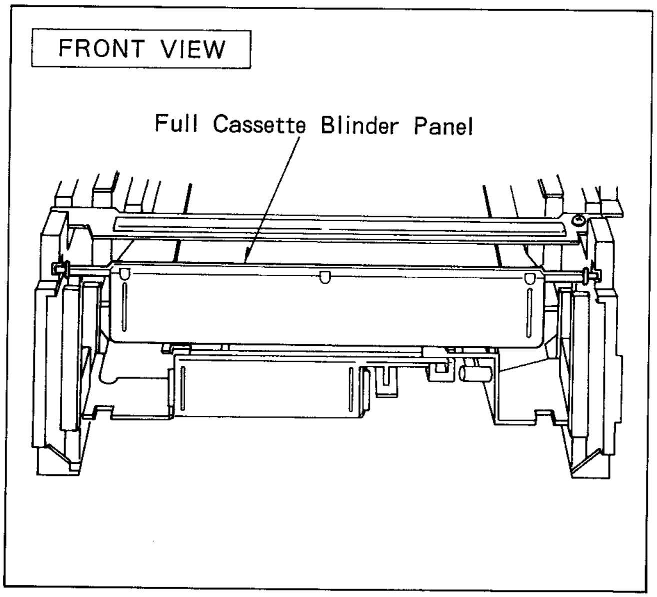

FRONT VIEW
Full Cassette Blinder Panel

Fig. A23

23. INSTALLING OF THE SHUTTER UNIT

(1) Lower the Shutter so that it reaches end of the lowest position while pulling the Shutter Lock to release the lock. [Fig.A24]
(2) Install the Shutter Unit. [Fig.A24]
(3) Tighten 4 Screws(D–49). [Fig.A24]

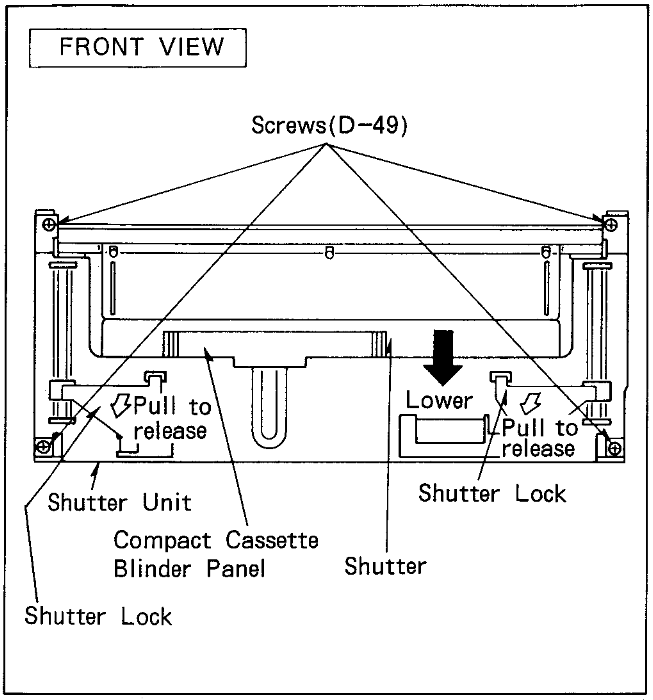

FRONT VIEW
Screws(D–49)
Pull to release
Lower
Pull to release
Shutter Unit
Shutter Lock
Compact Cassette Blinder Panel
Shutter
Shutter Lock

Fig. A24

24. INSTALLING OF THE FULL CASSETTE HOLDER UNIT

(1) Install the Full Cassette Holder Unit so that the 6 Levers(D–50) of Full Cassette Holder Unit comes into the each 6 grooves(D–51). [Fig.A25]

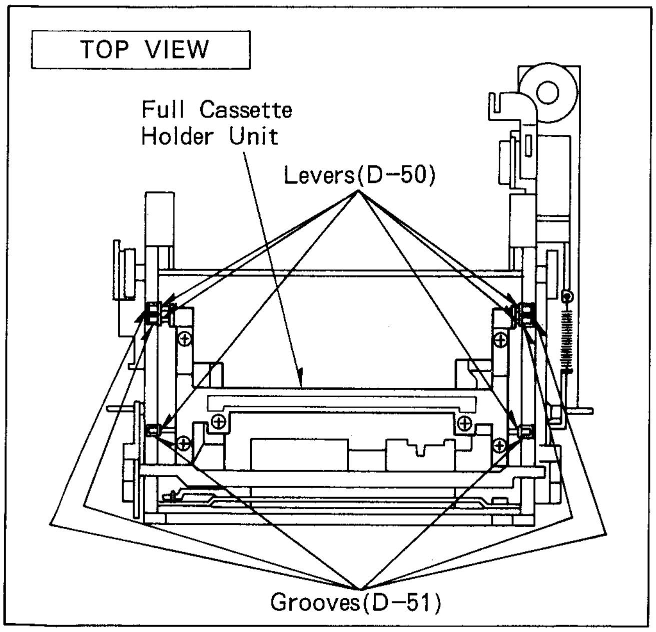

TOP VIEW
Full Cassette Holder Unit
Levers(D–50)
Grooves(D–51)

Fig. A25

25. INSTALLING OF THE TOP PANEL UNIT

(1) Install the Top Plate Unit so that the Lever (D–52) of Top Plate Unit holds the Lever (D–53) of Full Cassette Blinder Panel. [Fig.A26]

(2) Tighten 4 Screws(D–54) [Fig.A26]

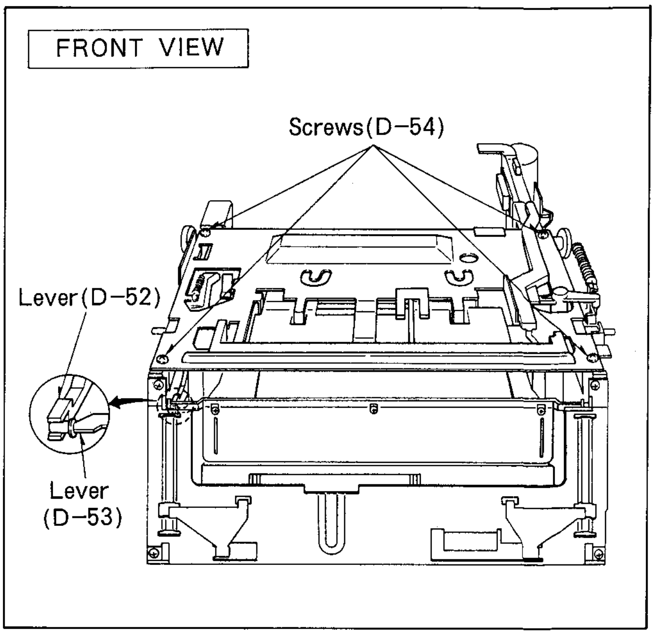

FRONT VIEW
Screws(D–54)
Lever(D–52)
Lever (D–53)

Fig. A26

26. INSTALLING OF THE FULL CASSETTE BLINDER SW LEVER

(1) Install the Full Cassette Blinder SW Lever so that the Full Cassette Blinder Panel Opener Lever, Shaft(D–55) comes into Hole(D–56) of Full Cassette Blinder SW Lever. [Fig.A27]

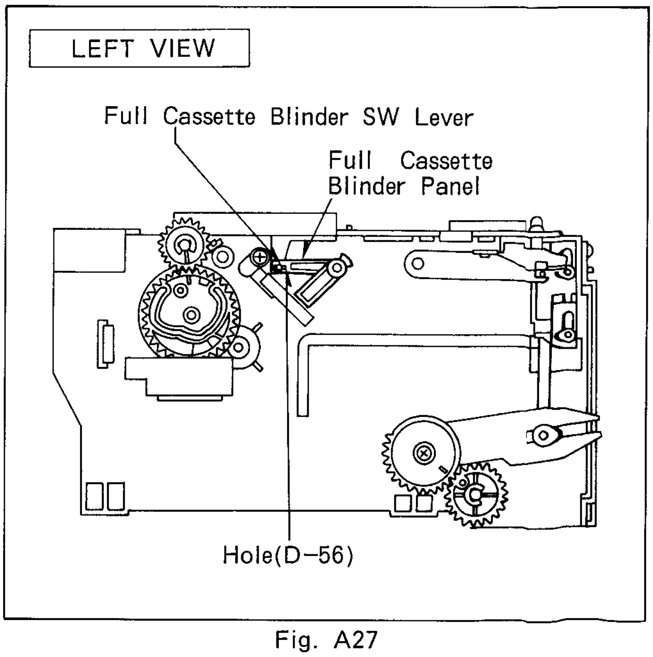

LEFT VIEW
Full Cassette Blinder SW Lever
Full Cassette Blinder Panel
Hole(D–56)

Fig. A27

27. INSTALLING OF THE SUB OPENER LEVER

(1) Install the Sub Opener Lever so that the Lever (D–57) of Sub Opener Lever comes into the Groove(D–58) of Full Cassette Loading Gear(L). [Fig.A28]

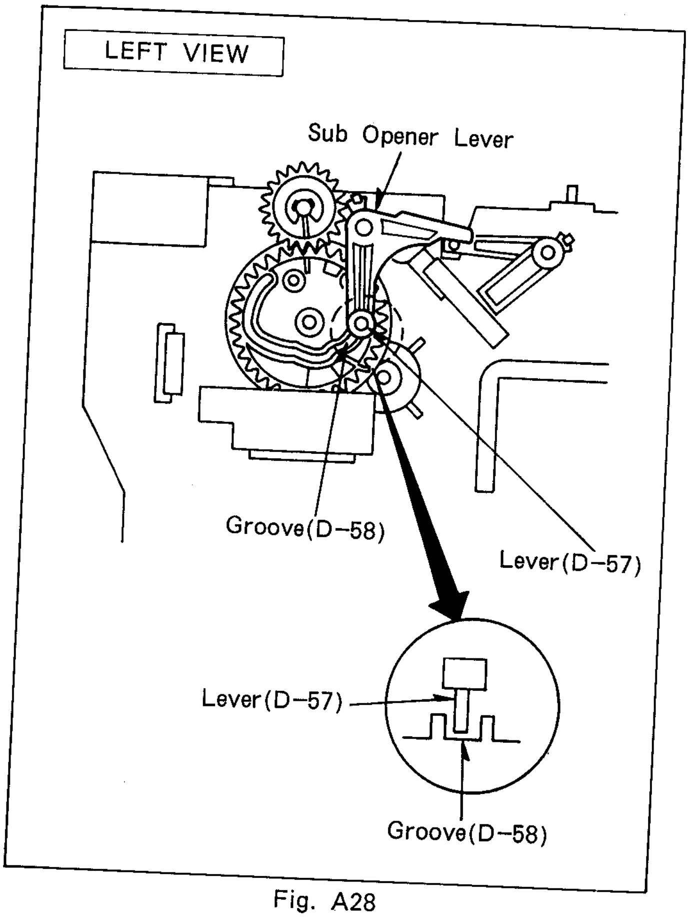

LEFT VIEW
Sub Opener Lever
Groove(D–58)
Lever(D–57)
Lever(D–57)
Groove(D–58)

Fig. A28

2-2-3. ASSEMBLY FLOWCHART (MECHANISM CHASSIS)

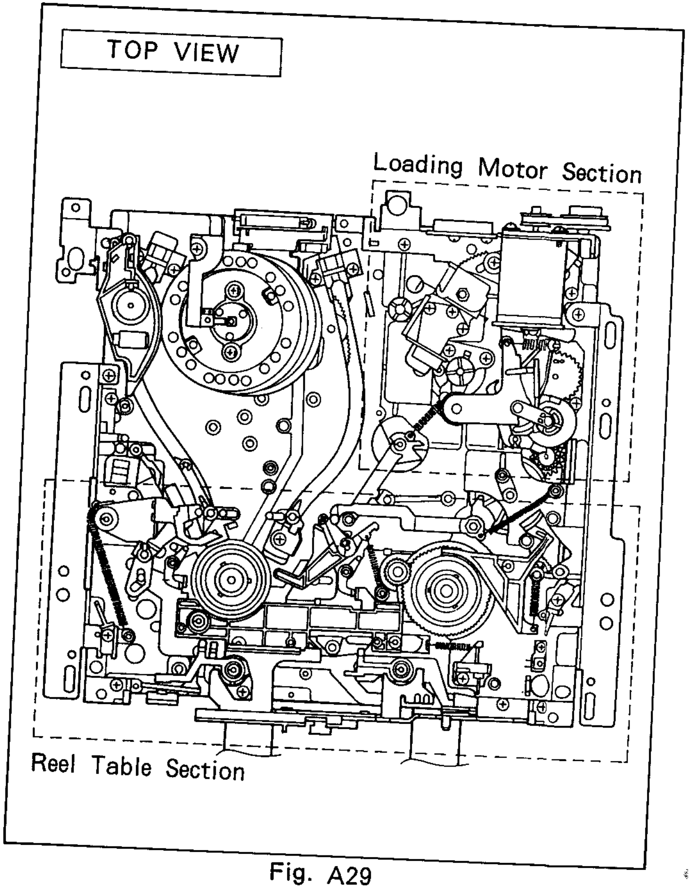

TOP VIEW
Loading Motor Section
Reel Table Section

Fig. A29

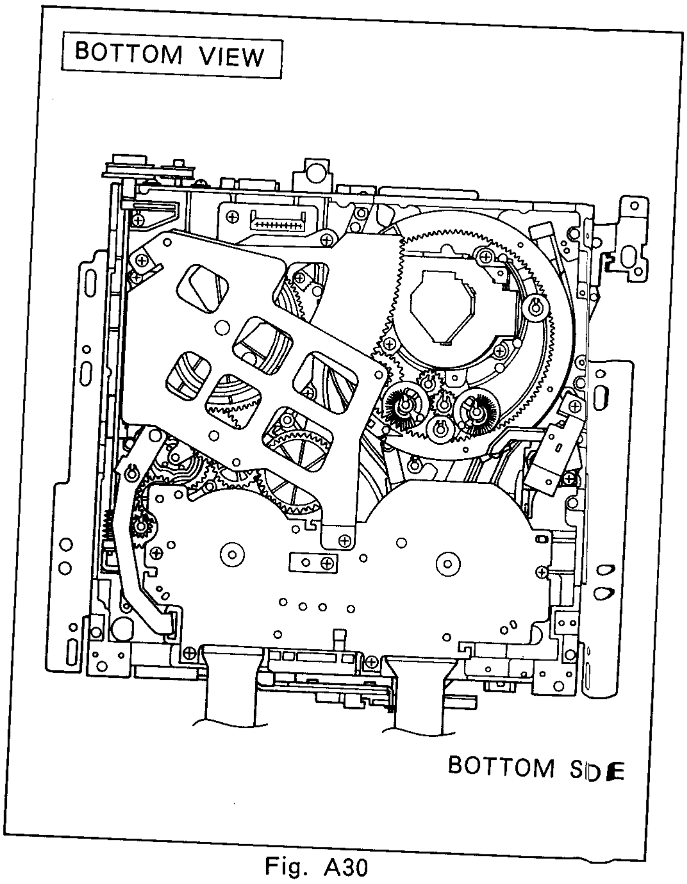

BOTTOM VIEW
BOTTOM SIDE

Fig. A30

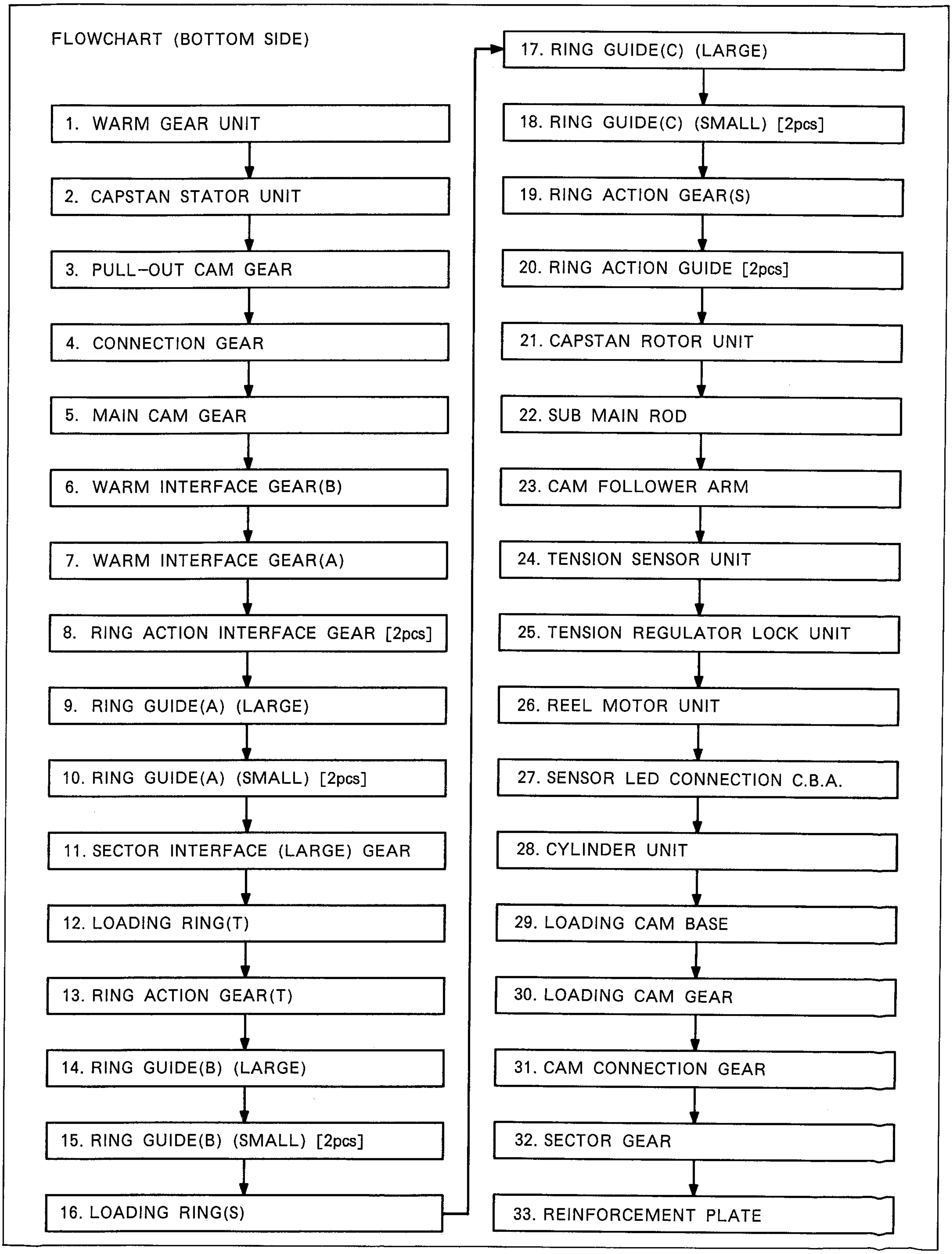

FLOWCHART (BOTTOM SIDE)
1. WARM GEAR UNIT
2. CAPSTAN STATOR UNIT
3. PULL-OUT CAM GEAR
4. CONNECTION GEAR
5. MAIN CAM GEAR
6. WARM INTERFACE GEAR(B)
7. WARM INTERFACE GEAR(A)
8. RING ACTION INTERFACE GEAR [2pcs]
9. RING GUIDE(A) (LARGE)
10. RING GUIDE(A) (SMALL) [2pcs]
11. SECTOR INTERFACE (LARGE) GEAR
12. LOADING RING(T)
13. RING ACTION GEAR(T)
14. RING GUIDE(B) (LARGE)
15. RING GUIDE(B) (SMALL) [2pcs]
16. LOADING RING(S)
17. RING GUIDE(C) (LARGE)
18. RING GUIDE(C) (SMALL) [2pcs]
19. RING ACTION GEAR(S)
20. RING ACTION GUIDE [2pcs]
21. CAPSTAN ROTOR UNIT
22. SUB MAIN ROD
23. CAM FOLLOWER ARM
24. TENSION SENSOR UNIT
25. TENSION REGULATOR LOCK UNIT
26. REEL MOTOR UNIT
27. SENSOR LED CONNECTION C.B.A.
28. CYLINDER UNIT
29. LOADING CAM BASE
30. LOADING CAM GEAR
31. CAM CONNECTION GEAR
32. SECTOR GEAR
33. REINFORCEMENT PLATE

Fig. A31

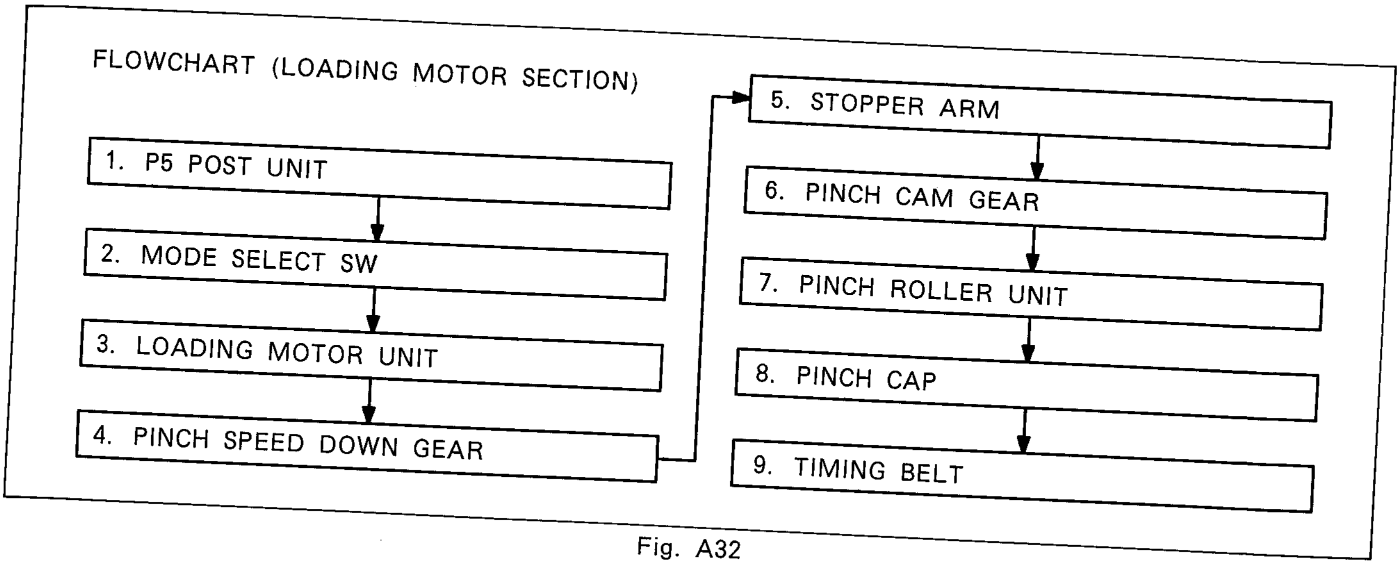

FLOWCHART (LOADING MOTOR SECTION)
1. P5 POST UNIT
2. MODE SELECT SW
3. LOADING MOTOR UNIT
4. PINCH SPEED DOWN GEAR
5. STOPPER ARM
6. PINCH CAM GEAR
7. PINCH ROLLER UNIT
8. PINCH CAP
9. TIMING BELT

Fig. A32

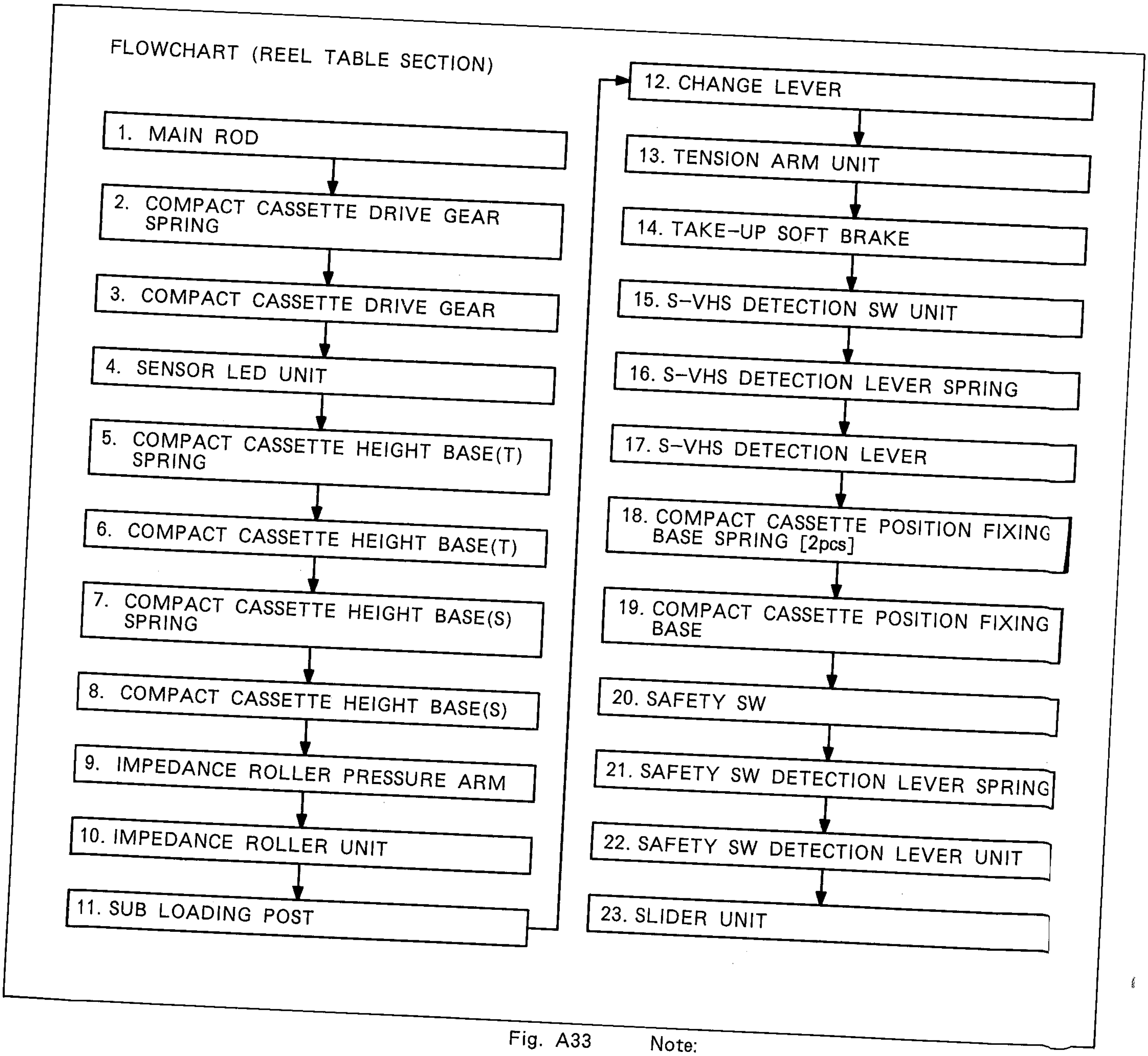

FLOWCHART (REEL TABLE SECTION)
1. MAIN ROD
2. COMPACT CASSETTE DRIVE GEAR SPRING
3. COMPACT CASSETTE DRIVE GEAR
4. SENSOR LED UNIT
5. COMPACT CASSETTE HEIGHT BASE(T) SPRING
6. COMPACT CASSETTE HEIGHT BASE(T)
7. COMPACT CASSETTE HEIGHT BASE(S) SPRING
8. COMPACT CASSETTE HEIGHT BASE(S)
9. IMPEDANCE ROLLER PRESSURE ARM
10. IMPEDANCE ROLLER UNIT
11. SUB LOADING POST
12. CHANGE LEVER
13. TENSION ARM UNIT
14. TAKE-UP SOFT BRAKE
15. S-VHS DETECTION SW UNIT
16. S-VHS DETECTION LEVER SPRING
17. S-VHS DETECTION LEVER
18. COMPACT CASSETTE POSITION FIXING BASE SPRING [2pcs]
19. COMPACT CASSETTE POSITION FIXING BASE
20. SAFETY SW
21. SAFETY SW DETECTION LEVER SPRING
22. SAFETY SW DETECTION LEVER UNIT
23. SLIDER UNIT

Fig. A33

Note:
Mechanism chassis is assembled in STOP 1.

2-2-4. DETAIL OF ASSEMBLY METHOD (MECHANISM CHASSIS)

(A) BOTTOM SIDE

1. INSTALLING OF THE WARM GEAR UNIT

(1) Install the Warm Gear Unit, and then tighten 2 Screws(E-1). [Fig.A34]

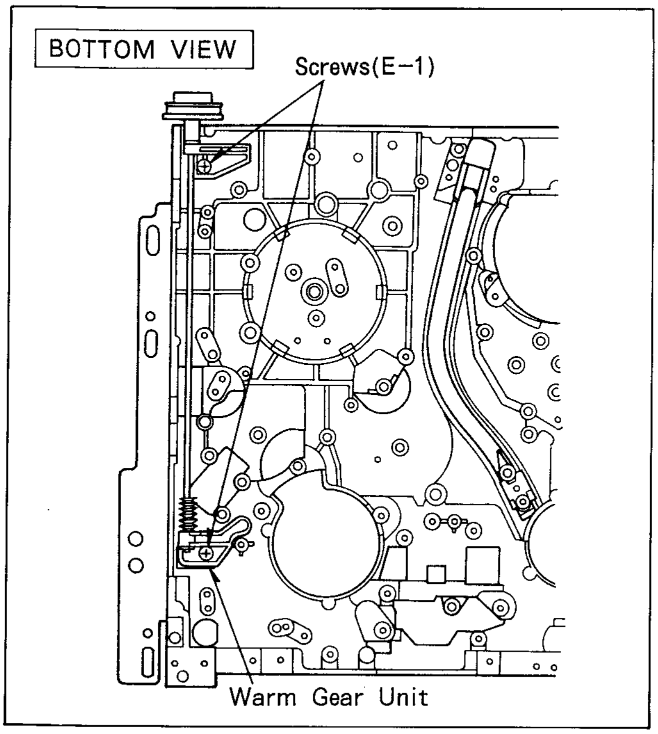

BOTTOM VIEW
Screws(E-1)
Warm Gear Unit

Fig. A34

2. INSTALLING OF THE CAPSTAN STATOR UNIT

(1) Install the Capstan Stator Unit, and then tighten 3 Screws(E-2). [Fig.A35]

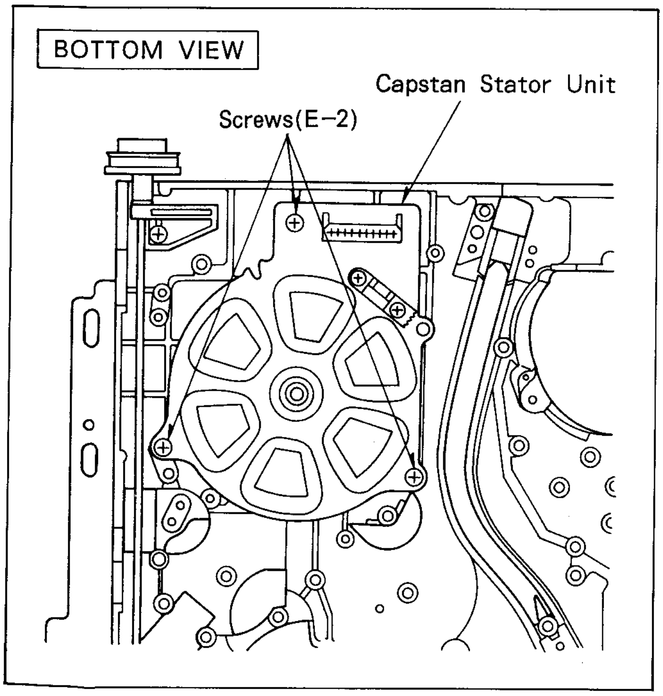

BOTTOM VIEW
Capstan Stator Unit
Screws(E-2)

Fig. A35

3. INSTALLING OF THE PULL-OUT CAM GEAR

(1) Install the Pull-Out Cam Gear so that the Hole(E-3) of Pull-Out Cam Gear is exactly in line with the Hole of Chassis. [Fig.A36]
(2) Put the Retaining Ring(E-4). [Fig.A36]
(3) Insert the Fixture(VFK0542) to the Hole(E-3) of Pull-Out Cam Gear. [Fig.A36]

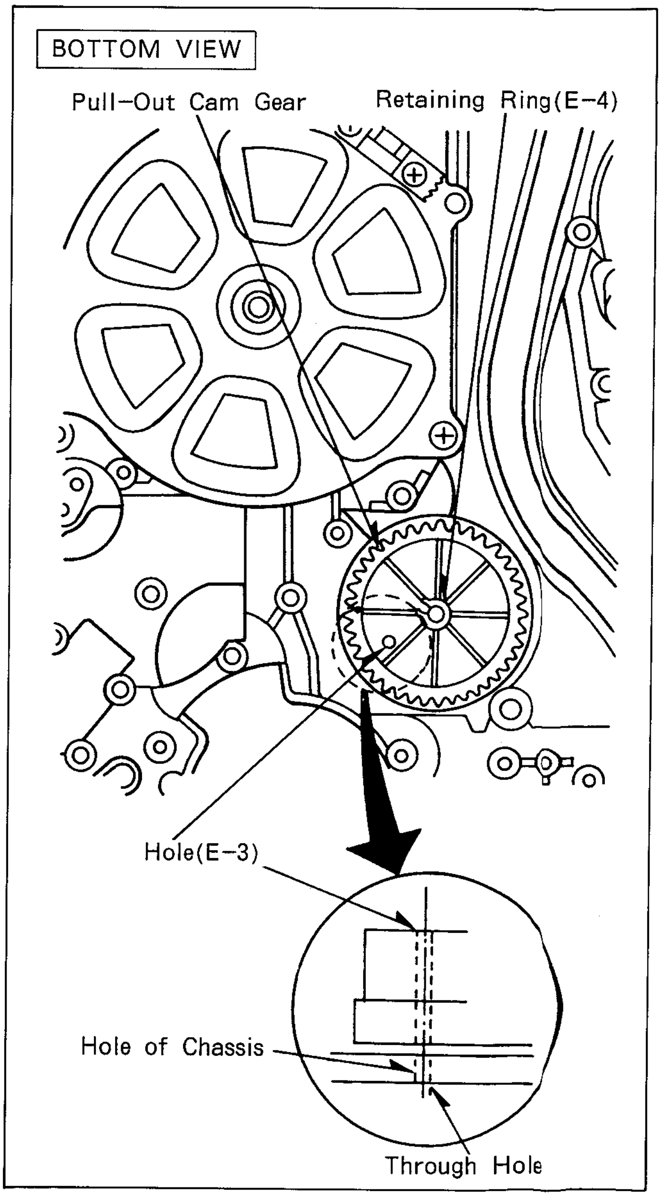

BOTTOM VIEW
Pull-Out Cam Gear
Retaining Ring(E-4)
Hole(E-3)
Hole of Chassis
Through Hole

Fig. A36

CAUTIONS :
After assembling the mechanical parts of bottom side, please remove the Fixture(VFK0542).

4. INSTALLING OF THE CONNECTION GEAR

(1) Install the Connection Gear so that the Hole (E-5) of Connection Gear is exactly in line with the Hole(E-6) of Pull-Out Cam Gear. [Fig.A37]
(2) Put the Retaining Ring(E-7). [Fig.A37]

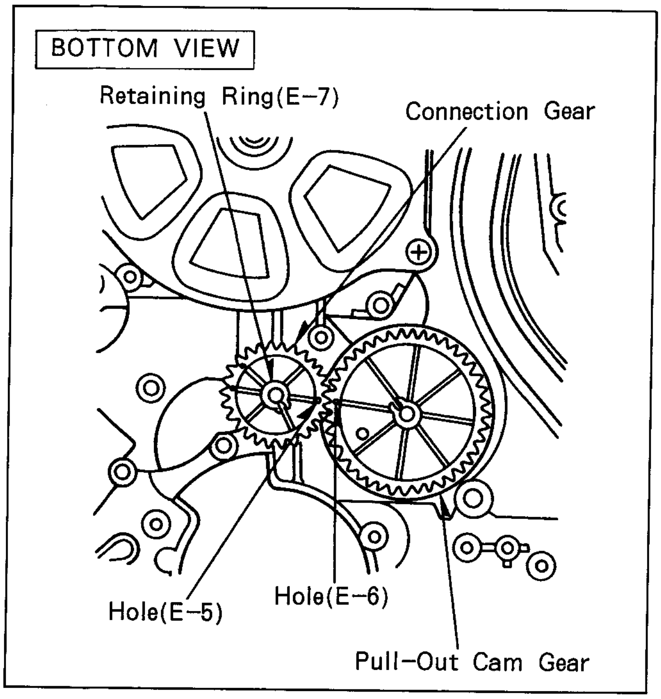

BOTTOM VIEW
Retaining Ring(E-7)
Connection Gear
Hole(E-5)
Hole(E-6)
Pull-Out Cam Gear

Fig. A37

5. INSTALLING OF THE MAIN CAM GEAR

(1) Install the Main Cam Gear so that the Hole(E-8) of Main Cam Gear is exactly in line with the Hole(E-9) of Connection Gear. [Fig.A38]
(2) Put the Retaining Ring(E-10). [Fig.A38]

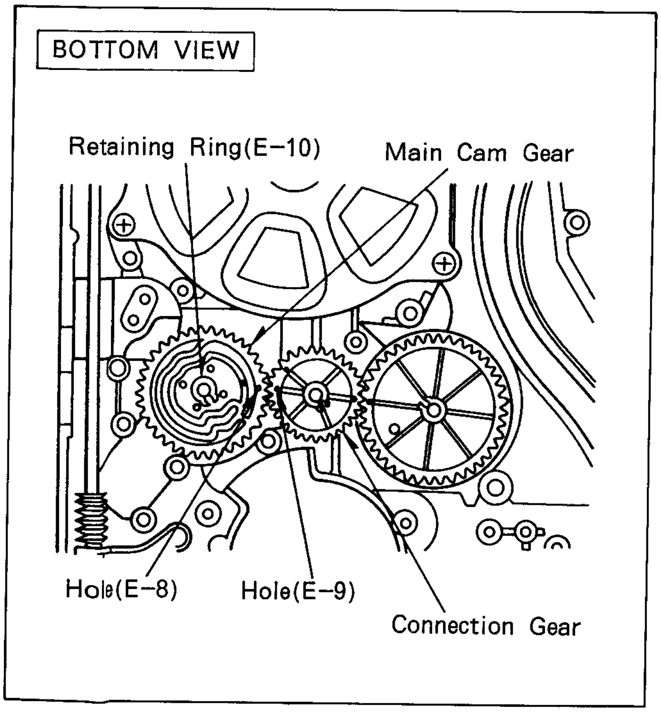

BOTTOM VIEW
Retaining Ring(E-10)
Main Cam Gear
Hole(E-8)
Hole(E-9)
Connection Gear

Fig. A38

6. INSTALLING OF THE WARM INTERFACE GEAR(B)

(1) Install the Warm Interface Gear(B), and then put the Retaining Ring(E-11). [Fig.A39]

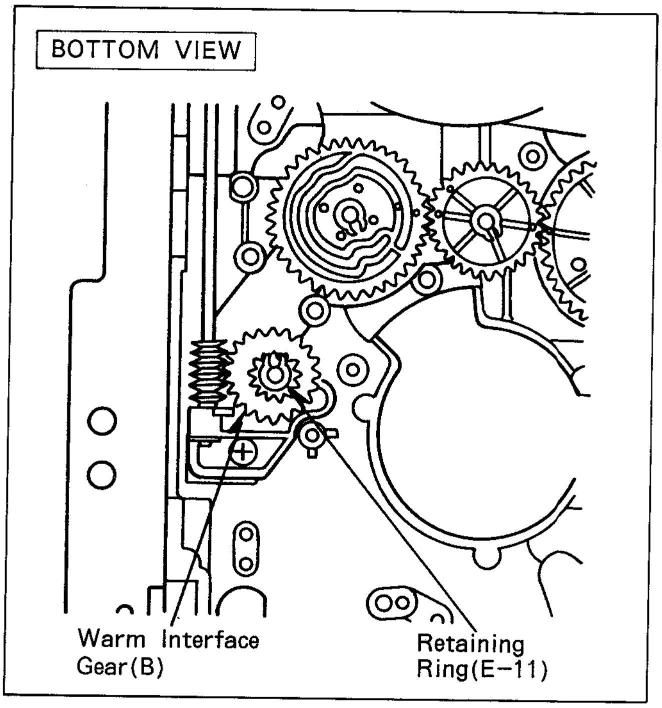

BOTTOM VIEW
Warm Interface Gear(B)
Retaining Ring(E-11)

Fig. A39

7. INSTALLING OF THE WARM INTERFACE GEAR(A)

(1) Install the Warm Interface Gear(A), and then put the Retaining Ring(E-12). [Fig.A40]

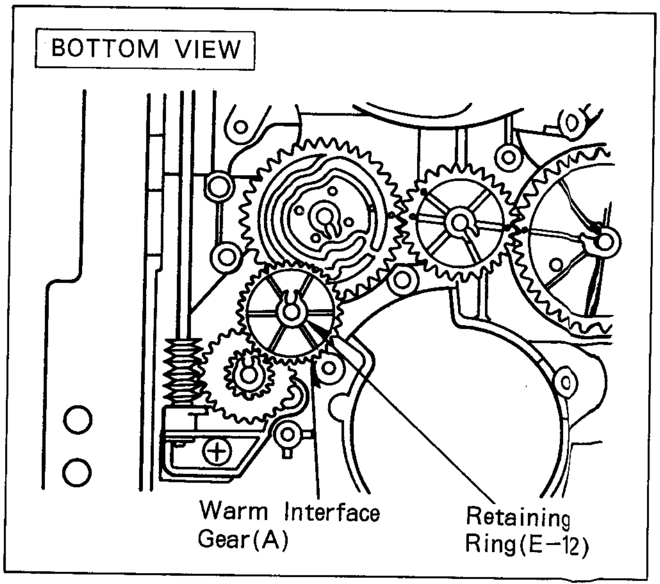

BOTTOM VIEW
Warm Interface Gear(A)
Retaining Ring(E-12)

Fig. A40

8. INSTALLING OF THE RING ACTION INTERFACE GEAR [2pcs]

(1) Install the Ring Action Interface Gear [2pcs], and then put 2 Retaining Rings(E–13). [Fig.A41]

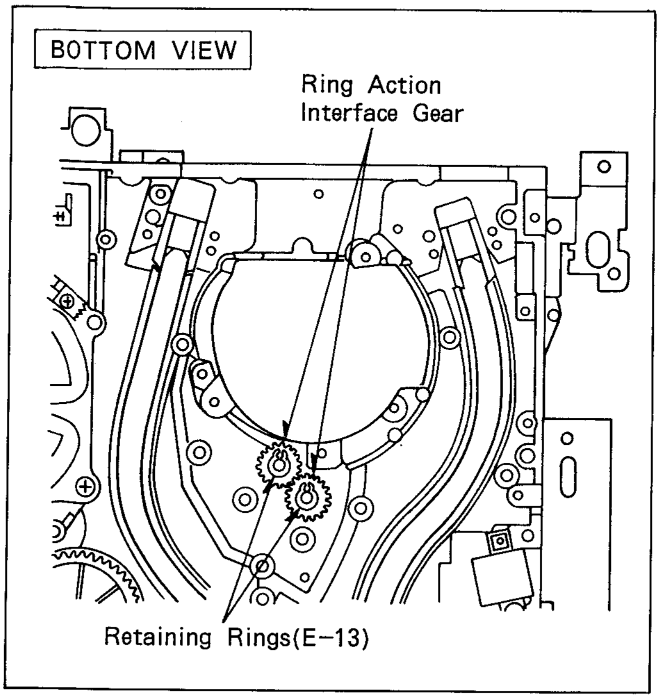

BOTTOM VIEW
Ring Action Interface Gear
Retaining Rings(E–13)

Fig. A41

9. INSTALLING OF THE RING GUIDE(A)(LARGE)

(1) Install the Ring Guide(A)(Large). [Fig.A42]

10. INSTALLING OF THE RING GUIDE(A)(SMALL) [2pcs]

(1) Install the 2 Ring Guide(A)(Small). [Fig.A42]

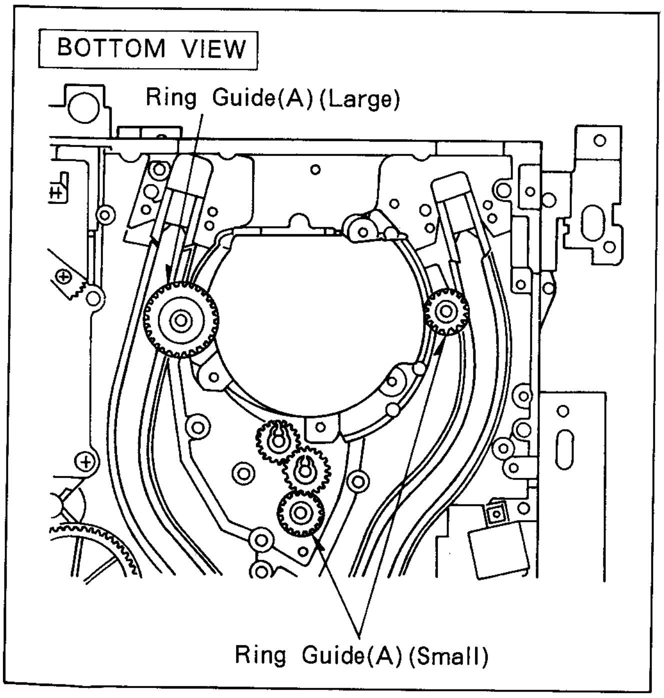

BOTTOM VIEW
Ring Guide(A)(Large)
Ring Guide(A)(Small)

Fig. A42

11. INSTALLING OF THE SECTOR INTERFACE(LARGE) GEAR

(1) Install the Sector Interface(Large) Gear. [Fig.A43]

12. INSTALLING OF THE LOADING RING(T)

(1) Install the Loading Ring(T) so that the Gear of Loading Ring(T) meets with Gears of Ring Guide(A)(Large) and 2 Ring Guids(A)(Small), at this moment, the Hole(E–14) is exactly in line with the Hole of Chassis. [Fig.A43]
(2) Install the Lever(E–15) of Loading Ring(T) to Inclined Shaft(E–16) of P3 Post, and then put the Retaining Ring(E–17). [Fig.A43]

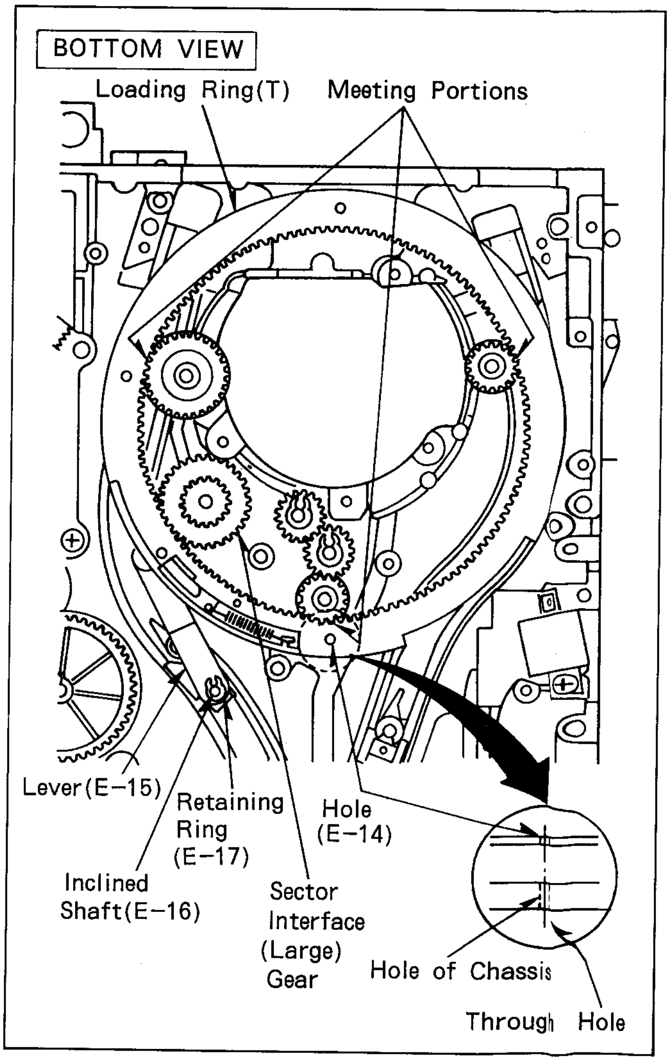

BOTTOM VIEW
Loading Ring(T)
Meeting Portions
Lever(E–15)
Retaining Ring (E–17)
Hole (E–14)
Inclined Shaft(E–16)
Sector Interface (Large) Gear
Hole of Chassis
Through Hole

Fig. A43

13. INSTALLING OF THE RING ACTION GEAR(T)

(1) Install the Ring Action Gear(T) so that the Projection(E–18) of Ring Action Gear(T) is exactly in line with the Hole(E–19) of Loading Ring(T), at this moment, also the Slit(E–20) of Ring Action Gear(T) is exactly in line with the Hole(E–21) of Sector Interface(Large) Gear. [Fig.A44]
(2) Set the Retaining Ring(E–22). [Fig.A44]

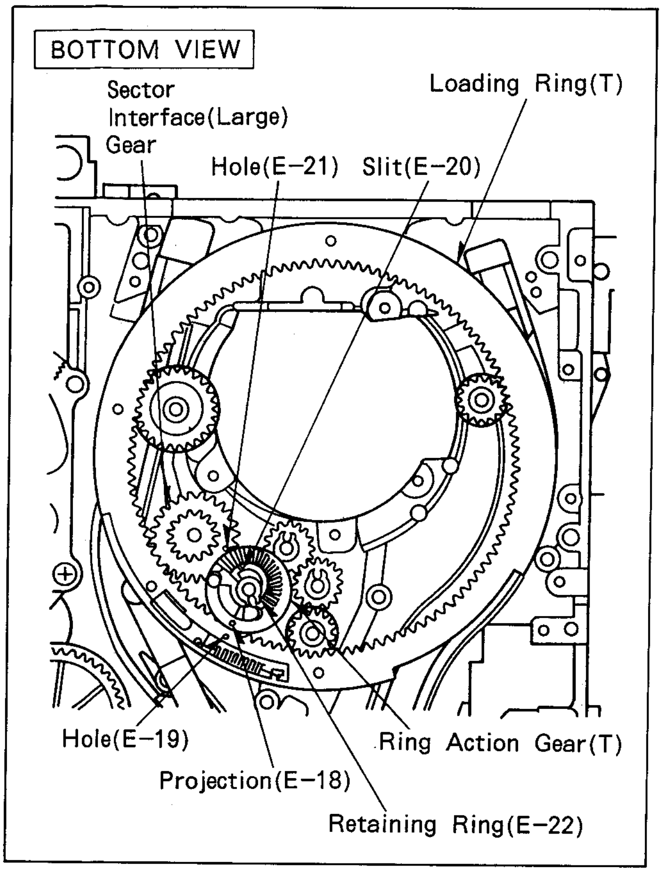

BOTTOM VIEW
Sector Interface(Large) Gear
Loading Ring(T)
Hole(E-21)
Slit(E-20)
Hole(E-19)
Ring Action Gear(T)
Projection(E-18)
Retaining Ring(E-22)

Fig. A44

14. INSTALLING OF THE RING GUIDE(B)(LARGE)

(1) Install the Ring Guide(B)(Large). [Fig.A45]

15. INSTALLING OF THE RING GUIDE(B)(SMALL) [2pcs]

(1) Install the 2 Ring Guids(B)(Small). [Fig.A45]

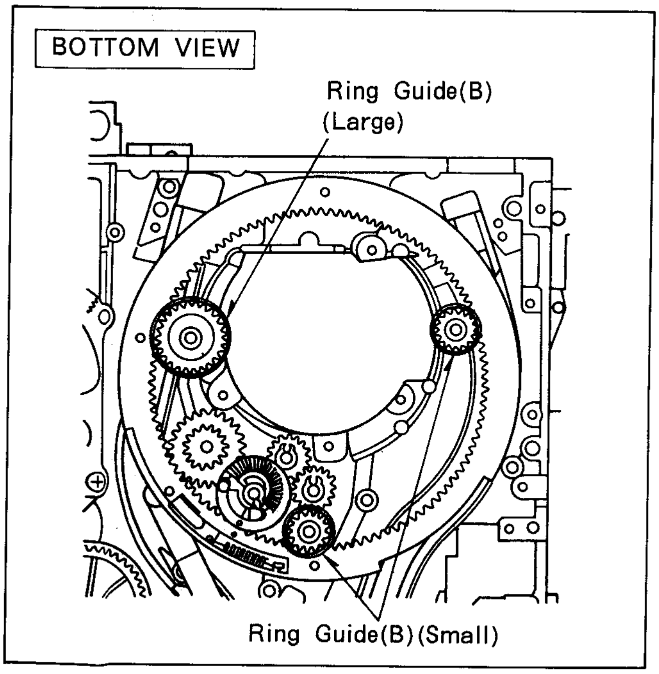

BOTTOM VIEW
Ring Guide(B) (Large)
Ring Guide(B)(Small)

Fig. A45

16. INSTALLING OF THE LOADING RING(S)

(1) Install the Loading Ring(S) so that the Gear of Loading Ring(S) meets with Gears of Ring Guide(B)(Large) and 2 Ring Guids(B)(Small), at this moment, the Hole(E-23) of Loading Ring(S) is exactly in line with Holes of Loading Ring(T) and Chassis. [Fig.A46]

(2) Install the Lever(E-24) of Loading Ring(S) to Inclined Shaft(E-25) of P2 Post. [Fig.A46]

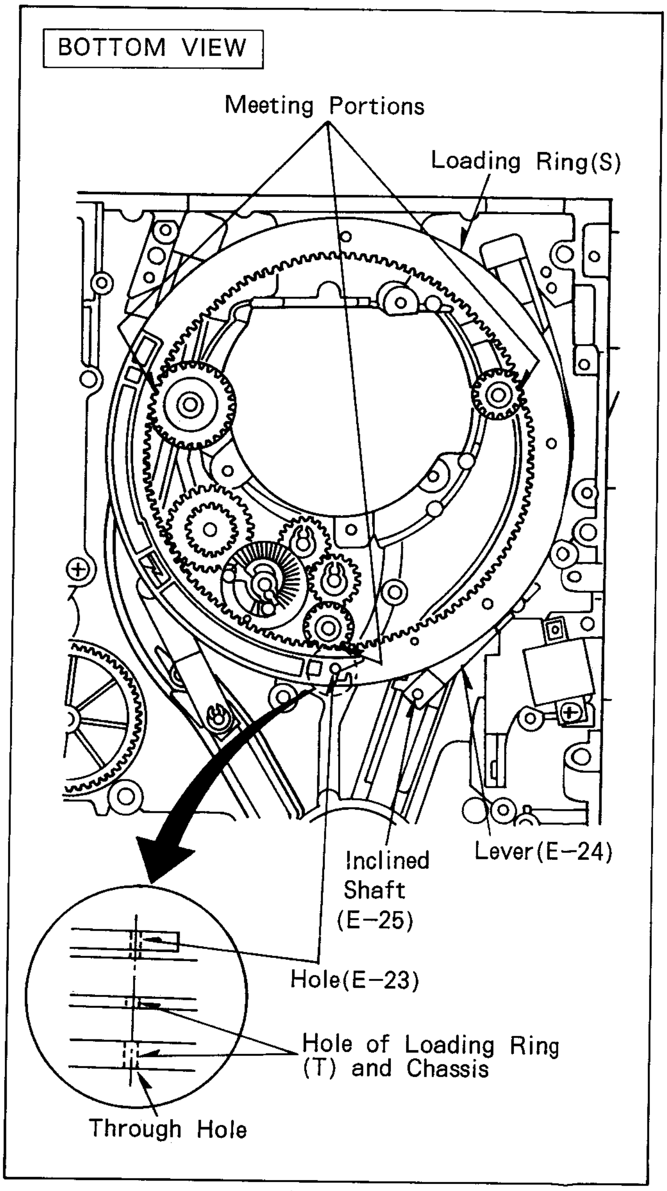

BOTTOM VIEW
Meeting Portions
Loading Ring(S)
Inclined Shaft (E-25)
Lever(E-24)
Hole(E-23)
Hole of Loading Ring (T) and Chassis
Through Hole

Fig. A46

17. INSTALLING OF THE RING GUIDE(C)(LARGE)

(1) Install the Ring Guide(C)(Large), and then put 2 Retaining Rings(E-26). [Fig.A47]

18. INSTALLING OF THE RING GUIDE(C)(SMALL) [2pcs]

(1) Install the 2 Ring Guids(C)(Small), and then put 2 Retaining Rings(E-27). [Fig.A47]

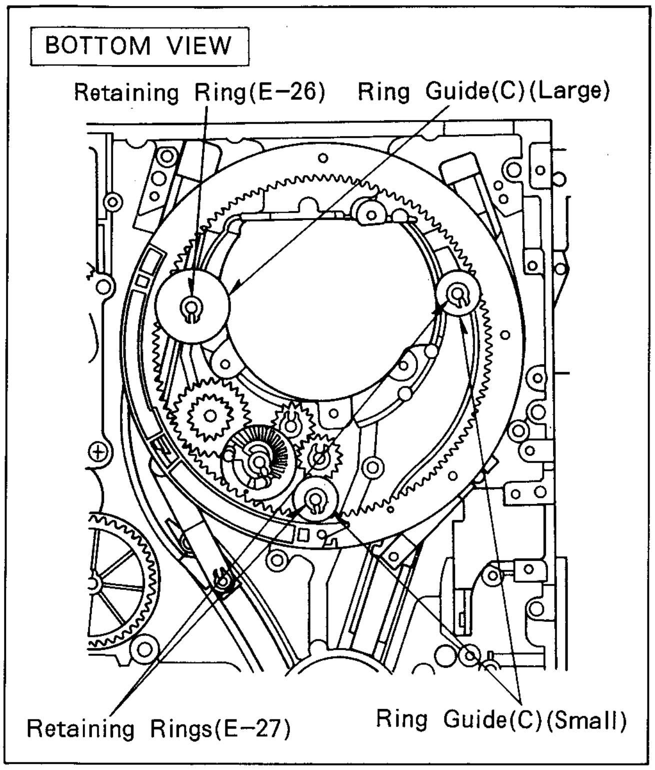

BOTTOM VIEW
Retaining Ring(E–26)
Ring Guide(C)(Large)
Retaining Rings(E–27)
Ring Guide(C)(Small)

Fig. A47

19. INSTALLING OF THE RING ACTION GEAR(S)

(1) Install the Ring Action Gear(S) so that the Projection(E–28) of Ring Action Gear(S) is exactly in line with the Hole(E–29) of Loading Ring(S). [Fig.A48]
(2) Put the Retaining Ring(E–30). [Fig.A48]

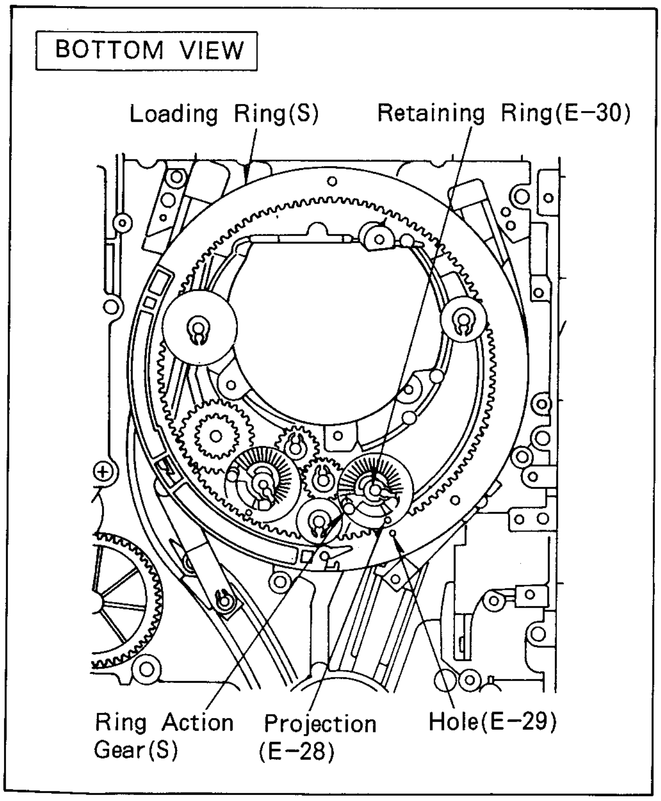

BOTTOM VIEW
Loading Ring(S)
Retaining Ring(E–30)
Ring Action Gear(S)
Projection (E–28)
Hole(E–29)

Fig. A48

20. INSTALLING OF THE RING ACTION GUIDE [2pcs]

(1) Install the 2 Ring Action Guids [2pcs], and then put the Retaining Ring(E–31). [Fig.A49]

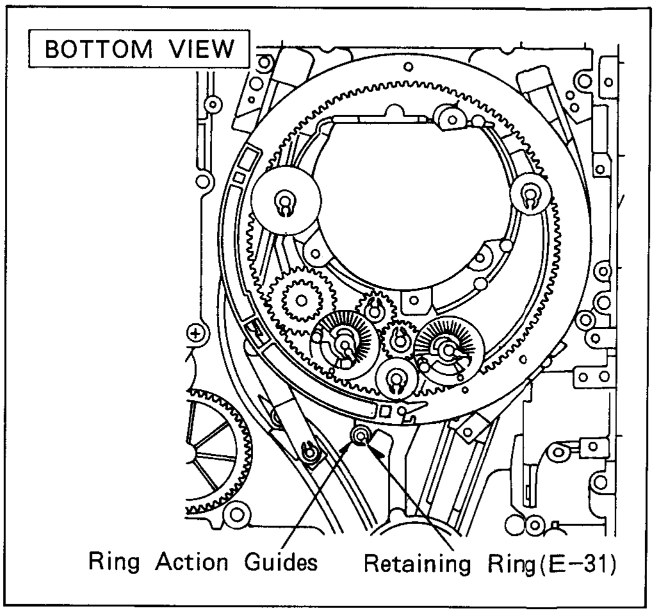

BOTTOM VIEW
Ring Action Guides
Retaining Ring(E–31)

Fig. A49

21. INSTALLING OF THE CAPSTAN ROTOR UNIT

(1) Install the Capstan Rotor Unit. [Fig.A50]

22. INSTALLING OF THE SUB MAIN ROD

(1) Install the Sub Main Rod, and then put 2 Cut Washers(E–32). [Fig.A50]

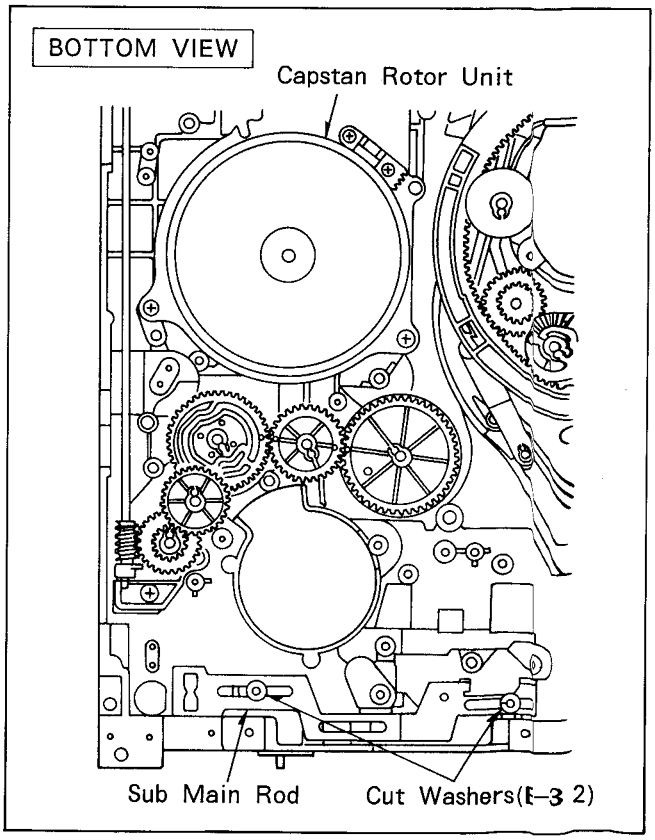

BOTTOM VIEW
Capstan Rotor Unit
Sub Main Rod
Cut Washers(E–32)

Fig. A50

23. INSTALLING OF THE CAM FOLLOWER ARM

(1) Install the Cam Follower Arm so that the Lever(E-33) of Cam Follower Arm comes into the Hole(E-34) of Sub Main Rod, at this moment, the Pin(E-35) of Cam Follower Arm also comes into the Groove(E-36) of Main Cam Gear. [Fig.A51]
(2) Put the Retaining Ring(E-37). [Fig.A51]

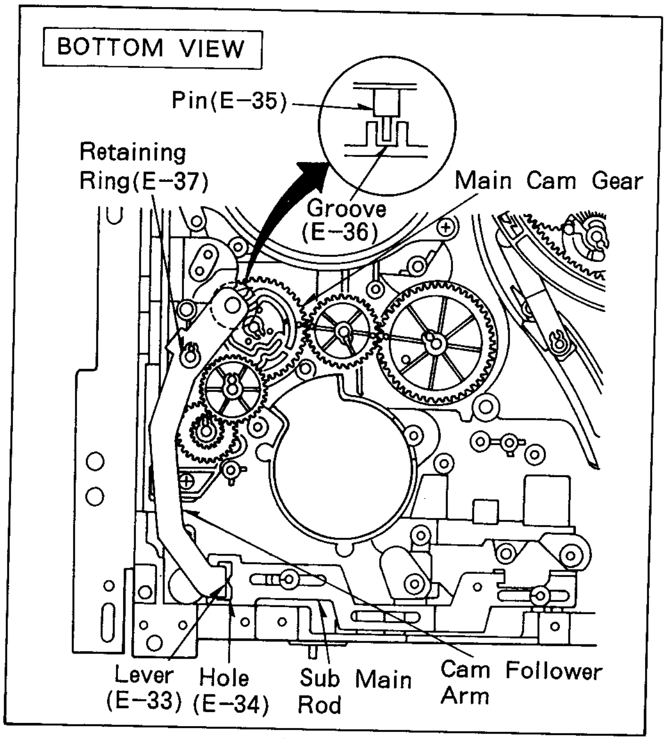

BOTTOM VIEW
Pin(E-35)
Retaining Ring(E-37)
Main Cam Gear
Groove (E-36)
Lever (E-33)
Hole (E-34)
Sub Main Rod
Cam Follower Arm

Fig. A51

24. INSTALLING OF THE TENSION SENSOR UNIT

(1) Install the Tension Sensor Unit, and then tighten the Screw(E-38). [Fig.A52]

25. INSTALLING OF THE TENSION REGULATOR LOCK UNIT

(1) Install the Tension Regulator Lock Unit, and then tighten the Screw(E-39). [Fig.A52]

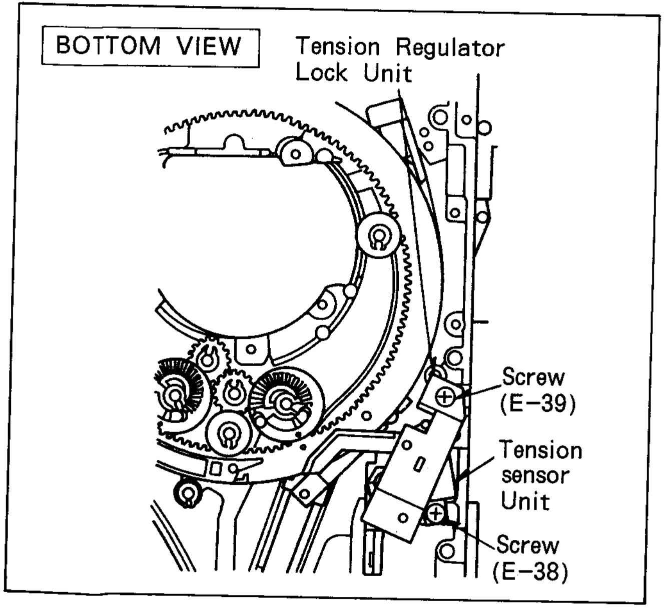

BOTTOM VIEW
Tension Regulator Lock Unit
Screw (E-39)
Tension sensor Unit
Screw (E-38)

Fig. A52

26. INSTALLING OF THE REEL MOTOR UNIT

(1) Install the Reel Motor Unit, and then tighten 4 Screws(E-40). [Fig.A53]

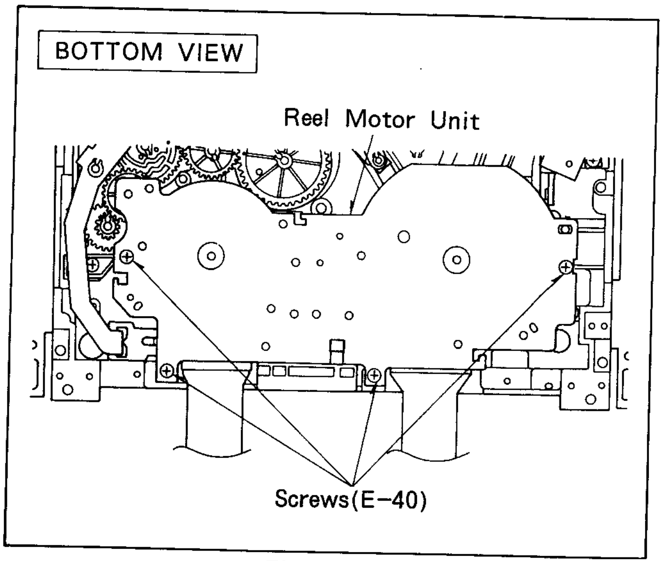

BOTTOM VIEW
Reel Motor Unit
Screws(E-40)

Fig. A53

27. INSTALLING OF THE SENSOR LED CONNECTION C.B.A.

(1) Install the Sensor LED Connection C.B.A., and then tighten the Screw(E-41). [Fig.A54]
(2) Connect the Connector P1536. [Fig.A54]

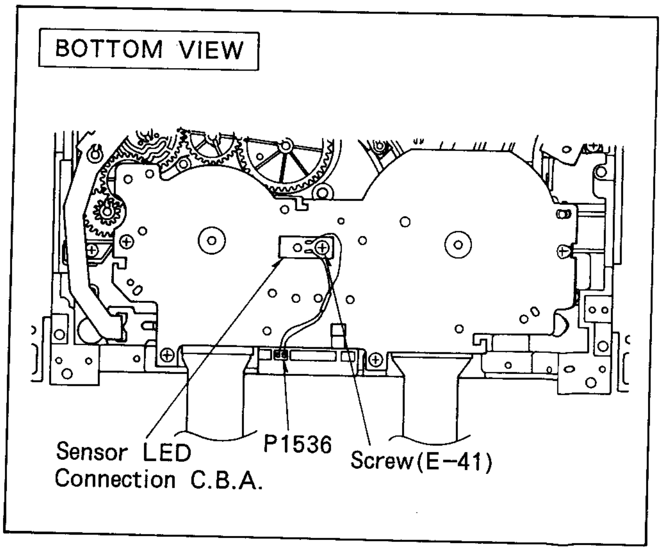

BOTTOM VIEW
Sensor LED Connection C.B.A.
P1536
Screw(E-41)

Fig. A54

28. INSTALLING OF THE CYLINDER UNIT

(1) Install the Cylinder Unit, and then tighten the 3 Screws(E-42). [Fig.A55]

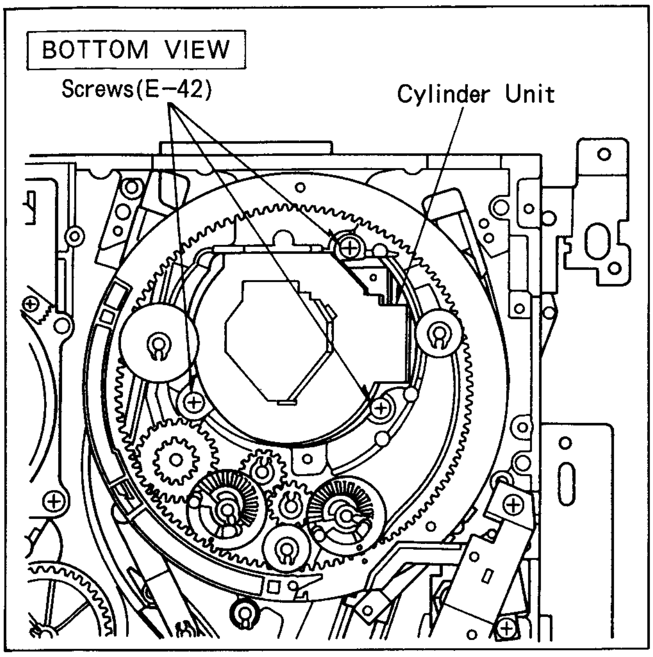

BOTTOM VIEW
Screws(E-42)
Cylinder Unit

Fig. A55

(2) Install the Earth Plate, and then tighten the Screw(E-43). [Fig.A56]

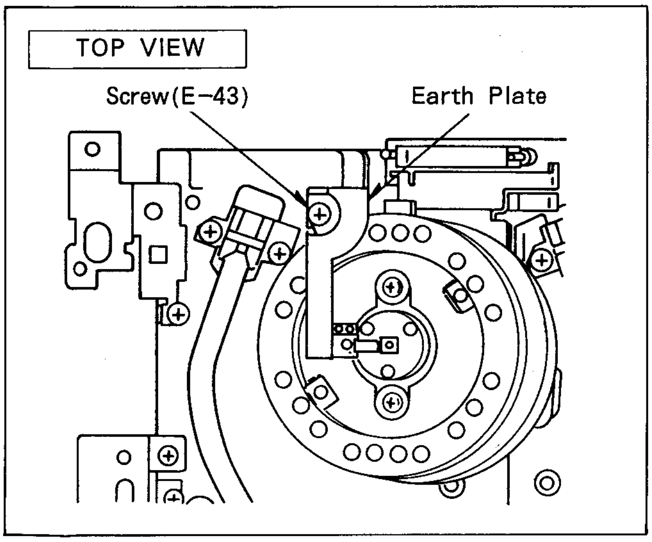

TOP VIEW
Screw(E-43)
Earth Plate

Fig. A56

29. INSTALLING OF THE LOADING CAM BASE

(1) Install the Loading Cam Base, and then tighten the 4 Screws(E-44). [Fig.A57]

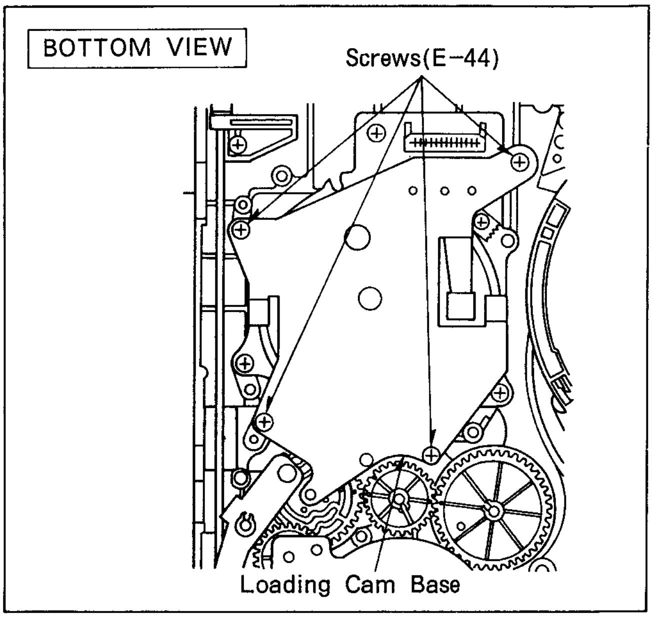

BOTTOM VIEW
Screws(E-44)
Loading Cam Base

Fig. A57

30. INSTALLING OF THE LOADING CAM GEAR

(1) Install the Loading Cam Gear so that the Hole(E-45) of Loading Cam Gear is exactly in line with the Hole of Loading Cam Base. [Fig.A58]

31. INSTALLING OF THE CAM CONNECTION GEAR

(1) Install the Cam Connection Gear so that the Hole(E-46) of Cam Connection Gear is exactly in line with the Hole(E-47) of Loading Cam Gear. [Fig.A58]

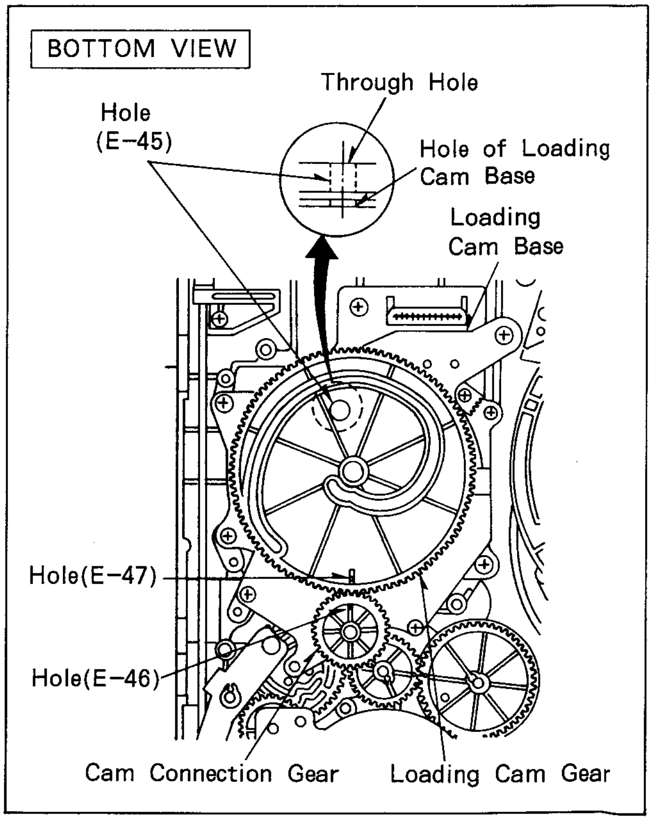

BOTTOM VIEW
Through Hole
Hole
(E-45)
Hole of Loading
Cam Base
Loading
Cam Base
Hole(E-47)
Hole(E-46)
Cam Connection Gear
Loading Cam Gear

Fig. A58

32. INSTALLING OF THE SECTOR GEAR

(1) Install the Sector Gear so that the Hole(E-48) of Sector Gear is exactly in line with the Hole(E-49) of Sector Interface(Large) Gear. [Fig.A59]

(2) Put the Retaining Ring(E-50). [Fig.A59]

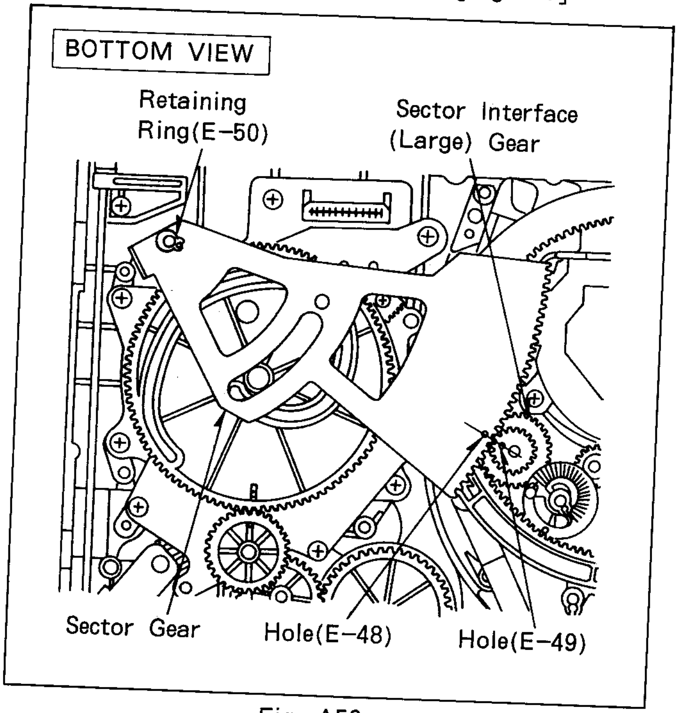

BOTTOM VIEW
Retaining Ring(E-50)
Sector Interface (Large) Gear
Sector Gear
Hole(E-48)
Hole(E-49)

Fig. A59

33. INSTALLING OF THE REINFORCEMENT PLATE

(1) Install the Reinforcement Plate, and then tighten 2 Screws(E-51). [Fig.A60]

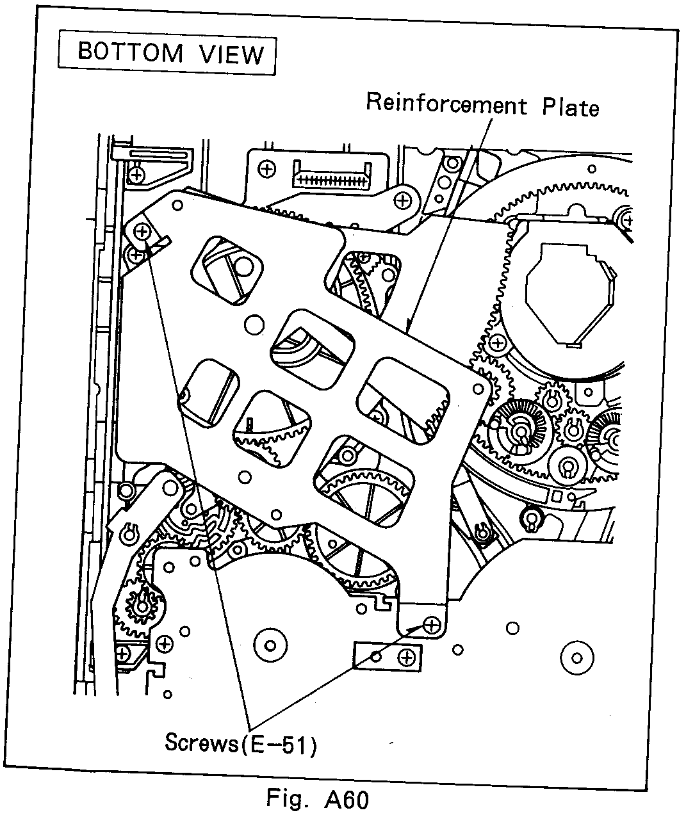

BOTTOM VIEW
Reinforcement Plate
Screws(E-51)

Fig. A60

(B) LOADING MOTOR SECTION

1. INSTALLING OF THE P5 POST UNIT

(1) Install the P5 Post Unit, and then tighten the Nut(F-1) until spiral portion of Bolt is just appeared. [Fig.A61]

(2) Hook the Spring(F-3) to Spring Hooking Pin(White)(F-2). [Fig.A61]

2. INSTALLING OF THE MODE SELECT SW

(1) Install the Mode Select SW, and then tighten the Screw(F-4). [Fig.A61]

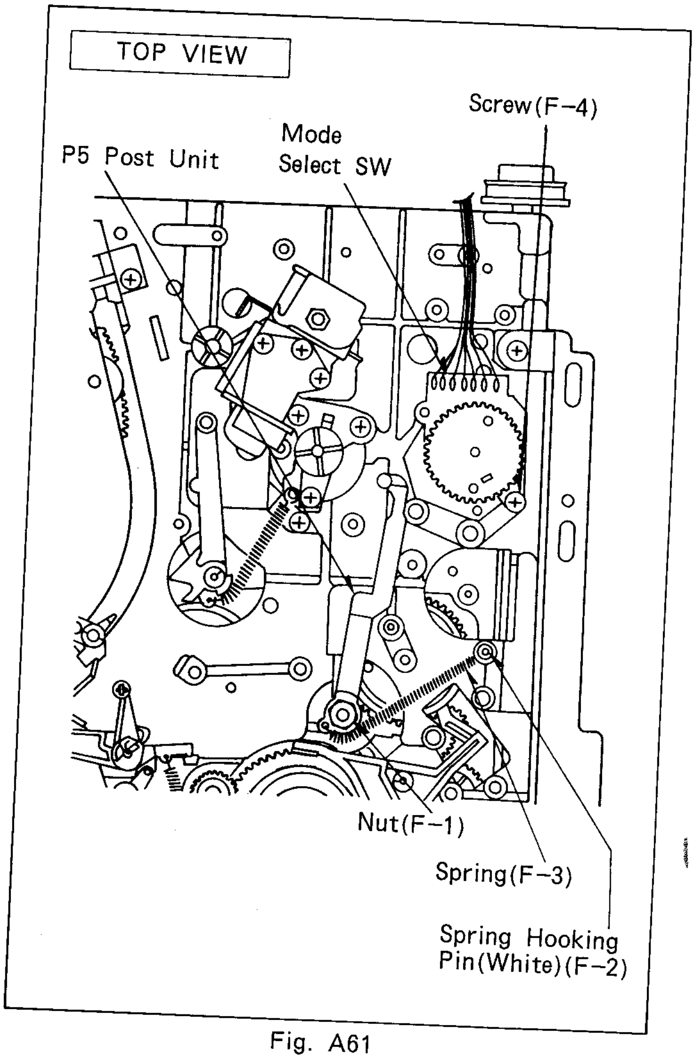

TOP VIEW
Screw(F-4)
Mode Select SW
P5 Post Unit
Nut(F-1)
Spring(F-3)
Spring Hooking Pin(White)(F-2)

Fig. A61

3. INSTALLING OF THE LOADING MOTOR UNIT

(1) Install the Loading Motor Unit, and then tighten 2 Screws(F–5). [Fig.A62]
(2) Connect the Connector P1532. [Fig.A62]

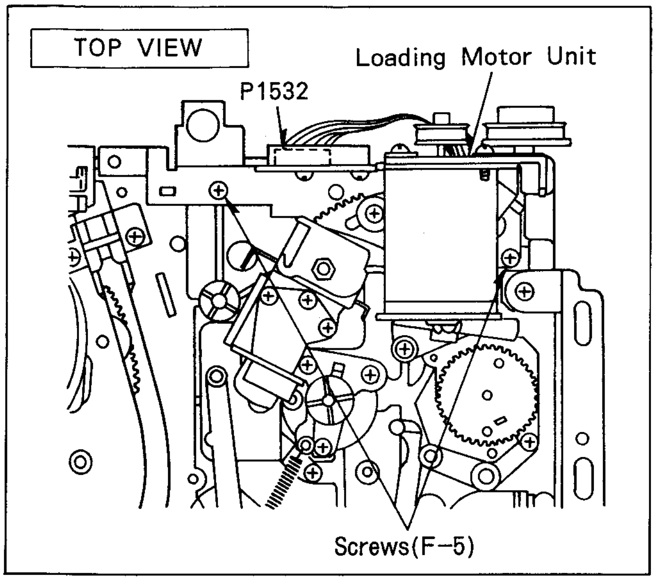

TOP VIEW
Loading Motor Unit
P1532
Screws(F–5)

Fig. A62

4. INSTALLING OF THE PINCH SPEED DOWN GEAR

(1) Install the Pinch Speed Down Gear so that the Projection(F–6) of Pinch Speed Down Gear is exactly in line with the Hole(F–7) of Main Cam Gear.
[Fig.A63]

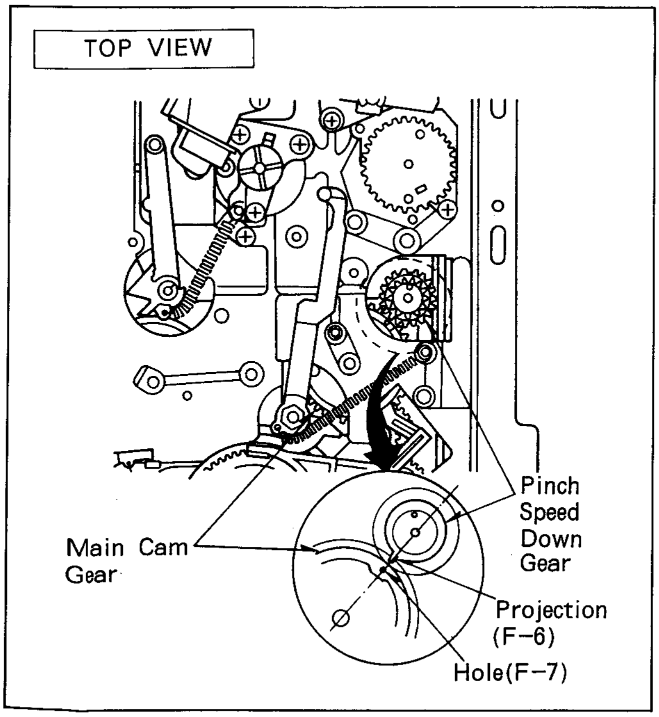

TOP VIEW
Pinch Speed Down Gear
Main Cam Gear
Projection (F–6)
Hole(F–7)

Fig. A63

5. INSTALLING OF THE STOPPER ARM

(1) Install the Stopper Arm, and then put the Retaining Ring(F–8). [Fig.A64]

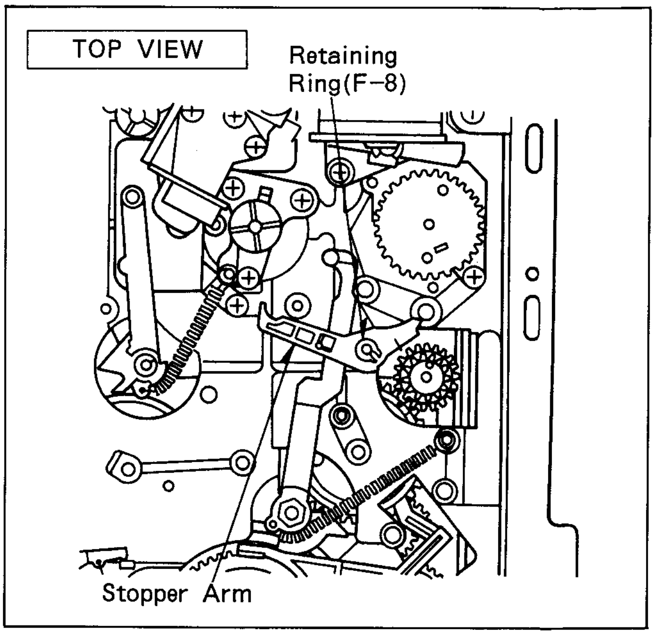

TOP VIEW
Retaining Ring(F–8)
Stopper Arm

Fig. A64

6. INSTALLING OF THE PINCH CAM GEAR

(1) Install the Pinch Cam Gear so that the Hole (F–9) of Pinch Cam Gear is exactly in line with the Projection(F–10) of Mode Select SW, at this moment, the Edge(F–11) of Cutting Portion of Pinch Cam Gear also is exactly in line with the Hole (F–12) of Pinch Speed Down Gear. [Fig.A65]

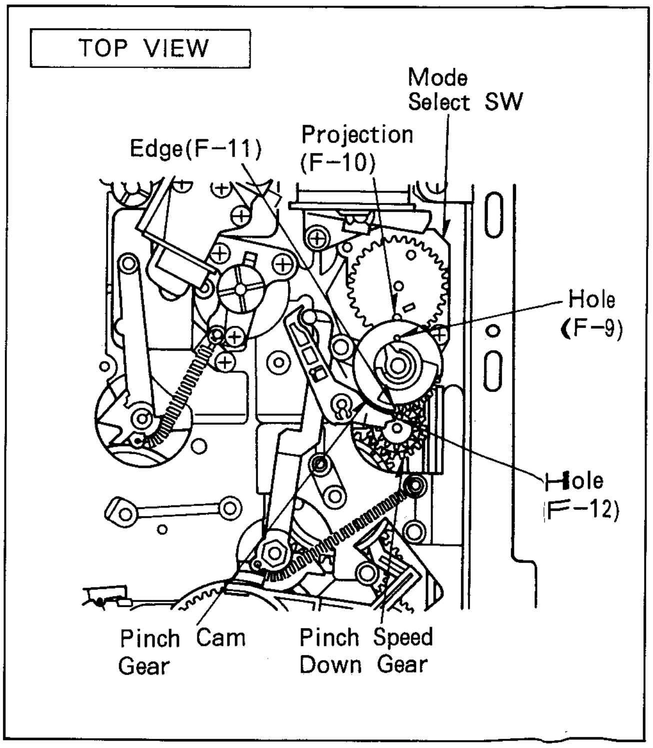

TOP VIEW
Mode Select SW
Edge(F–11)
Projection (F–10)
Hole (F–9)
Hole (F–12)
Pinch Cam Gear
Pinch Speed Down Gear

Fig. A65

7. INSTALLING OF THE PRESSURE ROLLER UNIT

(1) Install the Pressure Roller Unit. [Fig.A66]

8. INSTALLING OF THE PINCH CAP

(1) Install the Pinch Cap. [Fig.A66]

9. INSTALLING OF THE TIMING BELT

(1) Install the Timing Belt. [Fig.A66]

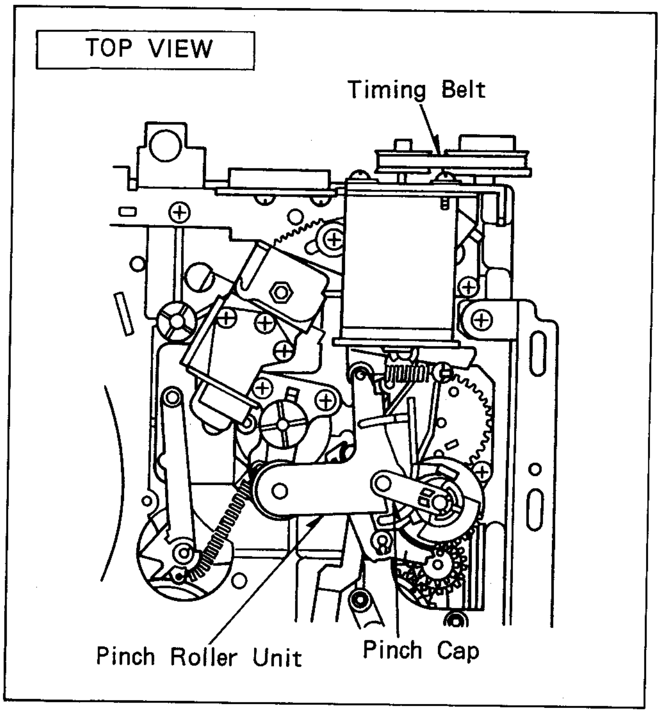

TOP VIEW
Timing Belt
Pinch Roller Unit
Pinch Cap

Fig. A66

(C) REEL TABLE SECTION

1. INSTALLING OF THE MAIN ROD

(1) Install the Main Rod, and then put 3 Cut Washer (G–1). [Fig.A67]

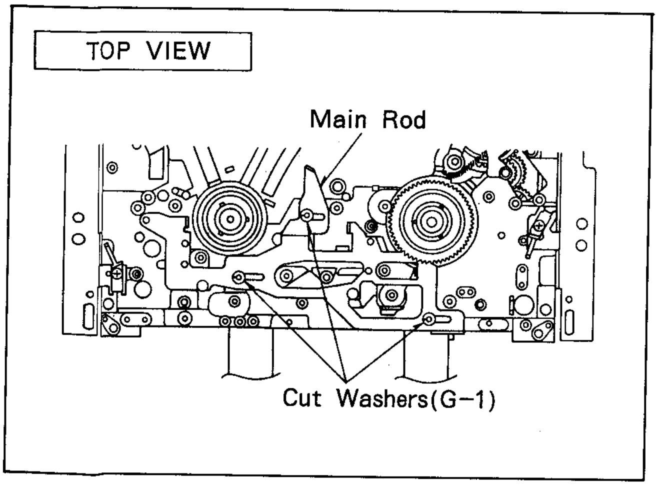

TOP VIEW
Main Rod
Cut Washers(G–1)

Fig. A67

2. INSTALLING OF THE COMPACT CASSETTE DRIVE GEAR SPRING

(1) Install the Compact Cassette Drive Gear Spring. [Fig.A68]

3. INSTALLING OF THE COMPACT CASSETTE DRIVE GEAR

(1) Install the Compact Cassette Drive Gear, and then put the Cut Washer(G–2). [Fig.A68]

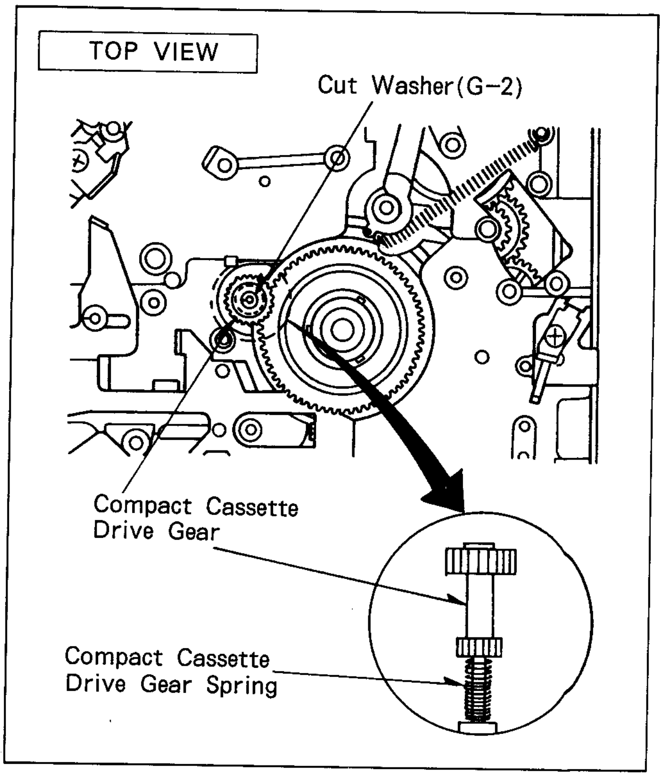

TOP VIEW
Cut Washer(G–2)
Compact Cassette Drive Gear
Compact Cassette Drive Gear Spring

Fig. A68

4. INSTALLING OF THE SENSOR LED UNIT

(1) Install the Sensor LED Unit, and then hook the Spring(G–3). [Fig.A69]
(2) Install the Sensor LED Cap. [Fig.A69]
(3) Solder 2 Leads of Sensor LED. [Fig.A70]

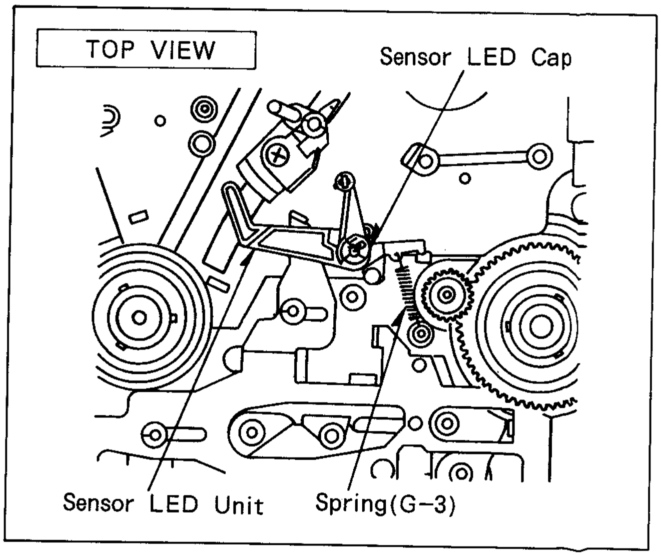

TOP VIEW
Sensor LED Cap
Sensor LED Unit
Spring(G–3)

Fig. A69

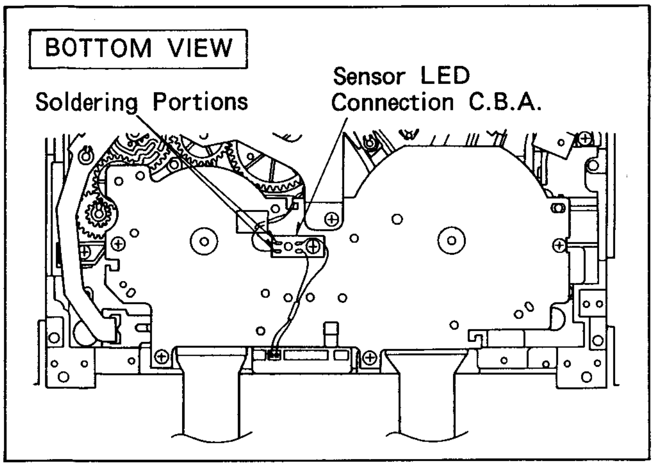

BOTTOM VIEW
Soldering Portions
Sensor LED
Connection C.B.A.

Fig. A70

5. INSTALLING OF THE COMPACT CASSETTE HEIGHT BASE(T) SPRING

(1) Install the Compact Cassette Height Base(T) Spring. [Fig.A71]

6. INSTALLING OF THE COMPACT CASSETTE HEIGHT BASE(T)

(1) Install the Compact Cassette Height Base(T), and then put the Cut Washer(G-4). [Fig.A71]

7. INSTALLING OF THE COMPACT CASSETTE HEIGHT BASE(S) SPRING

(1) Install the Compact Cassette Height Base(S) Spring. [Fig.A71]

8. INSTALLING OF THE COMPACT CASSETTE HEIGHT BASE(S)

(1) Install the Compact Cassette Height Base(S), and then put the Cut Washer(G-5). [Fig.A71]

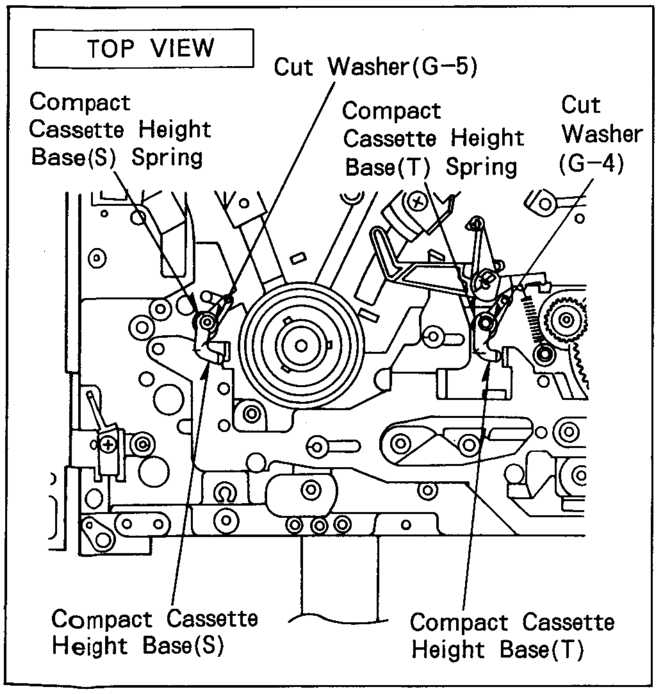

TOP VIEW
Cut Washer(G-5)
Compact Cassette Height Base(S) Spring
Compact Cassette Height Base(T) Spring
Cut Washer (G-4)
Compact Cassette Height Base(S)
Compact Cassette Height Base(T)

Fig. A71

9. INSTALLING OF THE IMPEDANCE ROLLER PRESSURE ARM

(1) Install the Impedance Roller Pressure Arm so that the Spring(G-6) of Impedance Roller Pressure Arm is hooked to Head Amp(L) Angle. [Fig.A72]

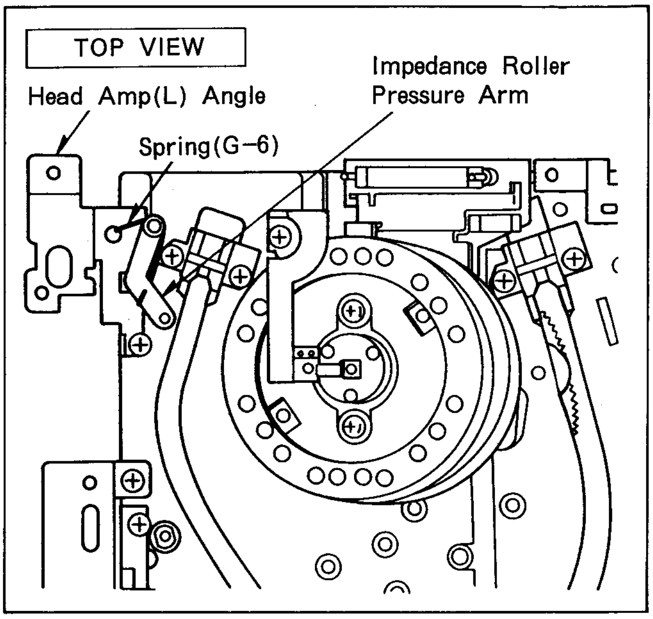

TOP VIEW
Head Amp(L) Angle
Impedance Roller Pressure Arm
Spring(G-6)

Fig. A72

10. INSTALLING OF THE IMPEDANCE ROLLER UNIT

(1) Install the Impedance Roller Unit so that the Spring(G-7) of Impedance Roller Unit is hooked to Head Amp(L) Angle. [Fig.A73]

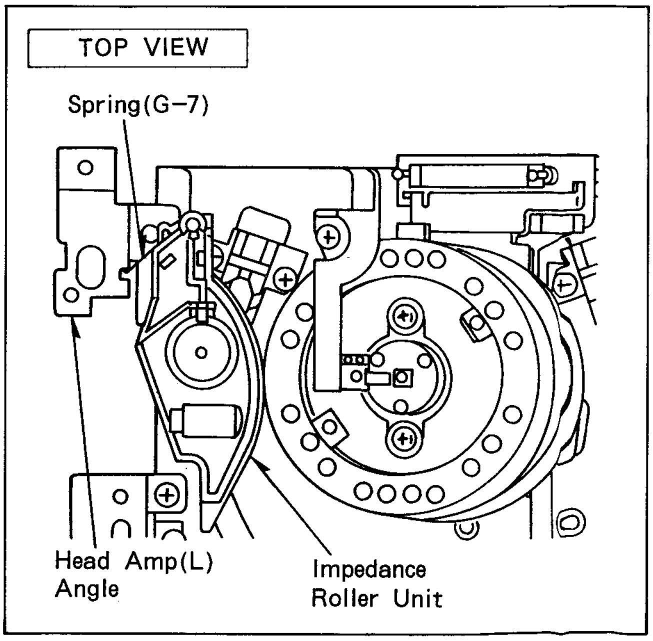

TOP VIEW
Spring(G-7)
Head Amp(L) Angle
Impedance Roller Unit

Fig. A73

11. INSTALLING OF THE SUB LOADING POST

(1) Install the Sub Loading Post, and then put the Cut Washer(G-8). [Fig.A74]
(2) Hook the Spring(G-9). [Fig.A74]

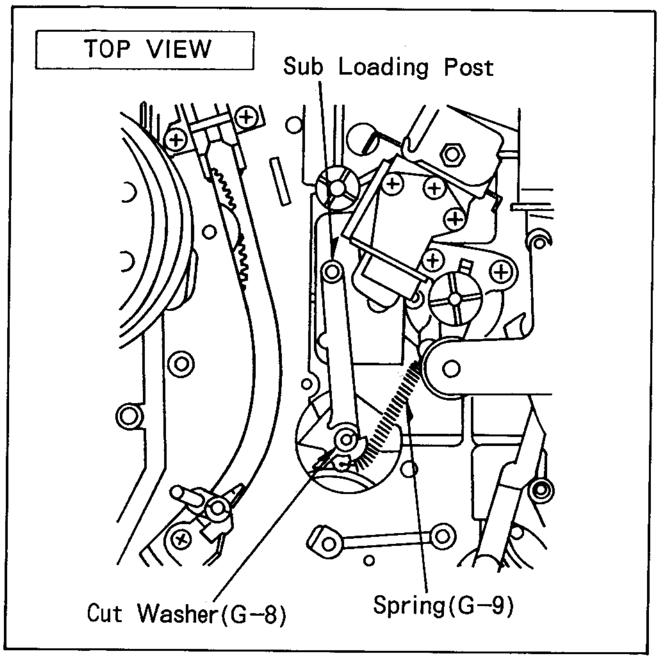

TOP VIEW
Sub Loading Post
Cut Washer(G-8)
Spring(G-9)

Fig. A74

12. INSTALLING OF THE CHANGE LEVER

(1) Install the Change Lever so that the Groove (G-10) of Change Lever holds the Rod(G-11) of Main Rod. [Fig.A75]
(2) Put the Retaining Ring(G-12). [Fig.A75]

13. INSTALLING OF THE TENSION ARM UNIT

(1) Install the Tension Arm Unit, and then put the Cut Washer(G-13). [Fig.A75]
(2) Hook the Spring(G-14). [Fig.A75]

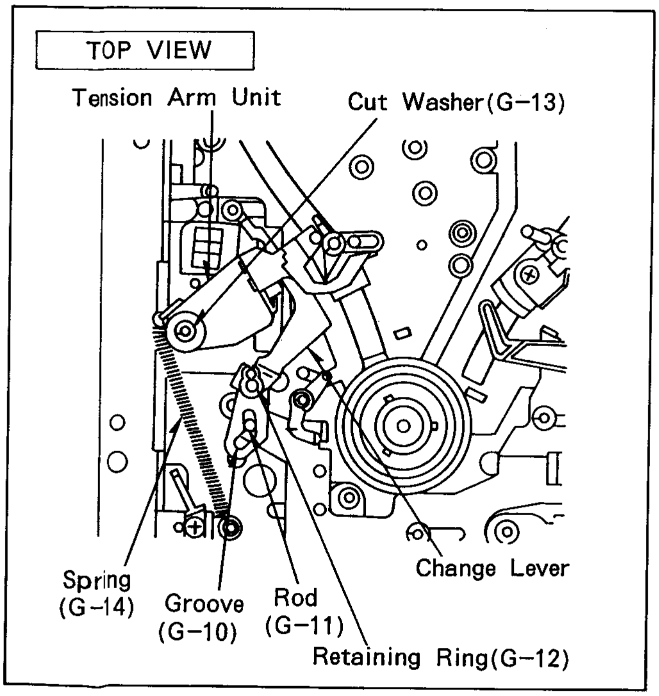

TOP VIEW
Tension Arm Unit
Cut Washer(G-13)
Spring (G-14)
Groove (G-10)
Rod (G-11)
Change Lever
Retaining Ring(G-12)

Fig. A75

14. INSTALLING OF THE TAKE-UP SOFT BRAKE

(1) Install the Take-Up Soft Brake, and then put the Cut Washer(G-15). [Fig.A76]
(2) Hook the Spring(G-16). [Fig.A76]

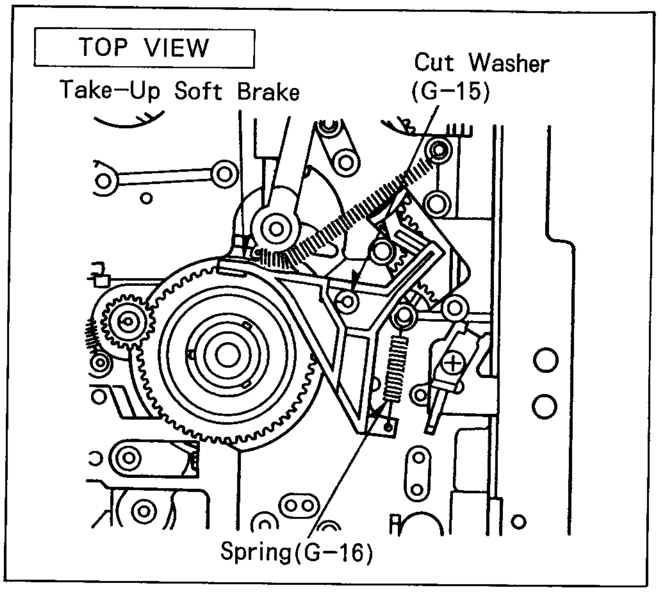

TOP VIEW
Take-Up Soft Brake
Cut Washer (G-15)
Spring(G-16)

Fig. A76

15. INSTALLING OF THE S-VHS DETECTION SW UNIT

(1) Install the S-VHS Detection SW Unit, and then tighten 2 Screws(G-17). [Fig.A77]
(2) Hook the Spring(G-18)[Fig.A77], and then connect the Connector P1537. [Fig.A78]

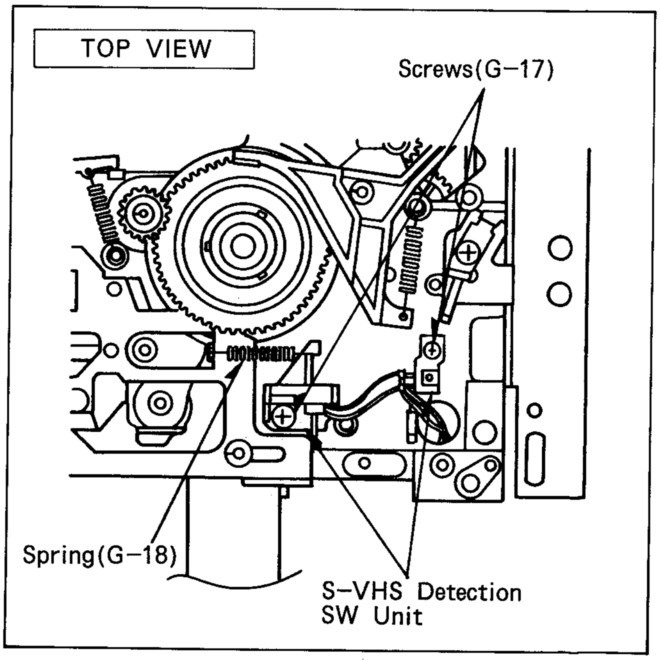

TOP VIEW
Screws(G-17)
Spring(G-18)
S-VHS Detection SW Unit

Fig. A77

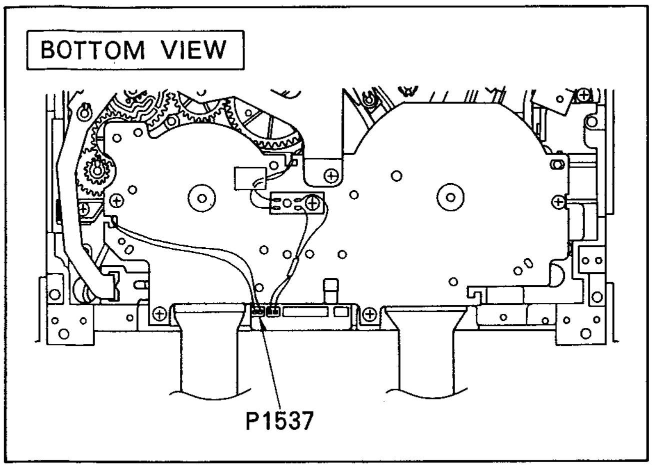

BOTTOM VIEW
P1537

Fig. A78

16. INSTALLING OF THE S-VHS DETECTION LEVER SPRING

(1) Install the S-VHS Detection Lever Spring. [Fig.A79]

17. INSTALLING OF THE S-VHS DETECTION LEVER

(1) Install the S-VHS Detection Lever, and then put the Cut Washer(G-19). [Fig.A79]

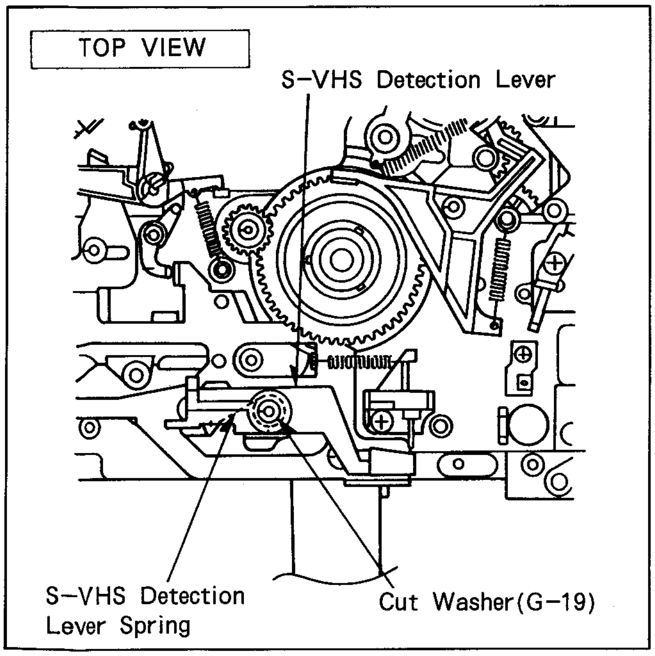

TOP VIEW
S-VHS Detection Lever
S-VHS Detection Lever Spring
Cut Washer(G-19)

Fig. A79

18. INSTALLING OF THE COMPACT CASSETTE POSITION FIXING BASE SPRING [2pcs]

(1) Install the 2 Compact Cassette Position Fixing Base Springs. [Fig.A80]

19. INSTALLING OF THE COMPACT CASSETTE POSITION FIXING BASE

(1) Install the Compact Cassette Position Fixing Base, and then put 2 Cut Washers(G-20). [Fig.A80]

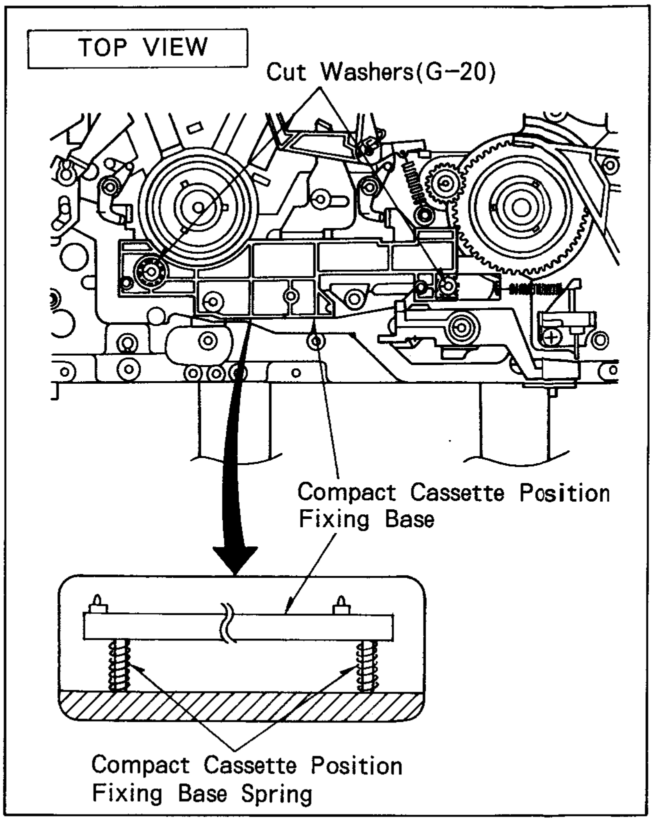

TOP VIEW
Cut Washers(G-20)
Compact Cassette Position Fixing Base
Compact Cassette Position Fixing Base Spring

Fig. A80

20. INSTALLING OF THE SAFETY SW

(1) Install the Safety SW, and then tighten the Screw(G-21). [Fig.A81]
(2) Connect the Connector P1534. [Fig.A82]

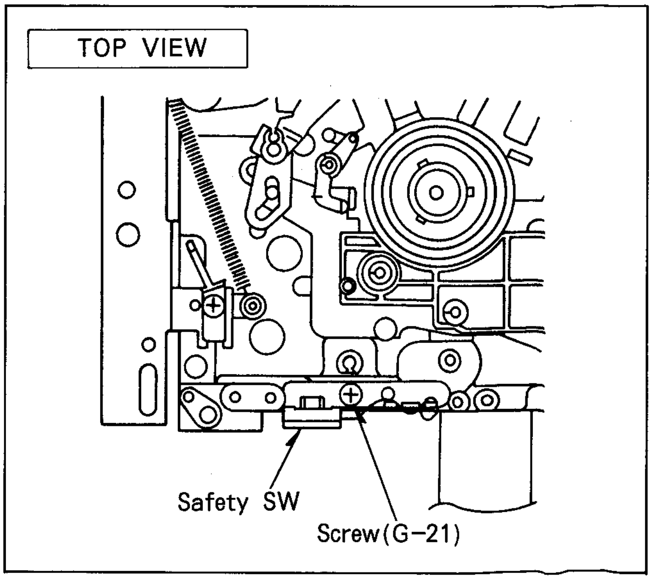

TOP VIEW
Safety SW
Screw(G-21)

Fig. A81

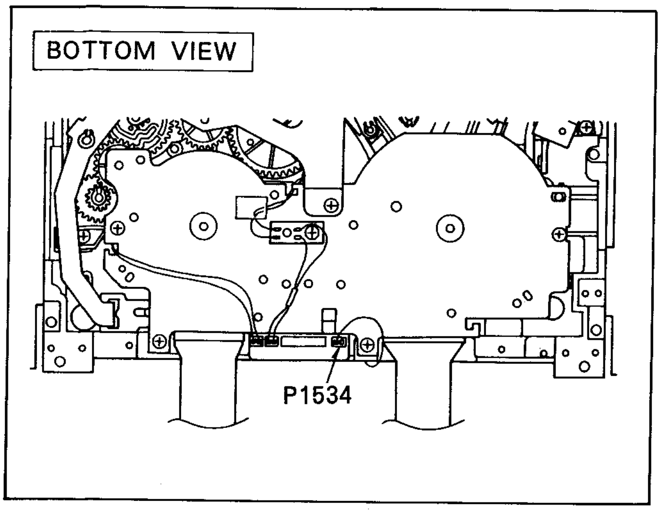

BOTTOM VIEW
P1534

Fig. A82

21. INSTALLING OF THE SAFETY SW DETECTION LEVER SPRING

(1) Install the Safety SW Detection Lever Spring. [Fig.A83]

22. INSTALLING OF THE SAFETY SW DETECTION LEVER UNIT

(1) Install the Safety SW Detection Lever Unit, and then put the Cut Washer(G-22). [Fig.A83]

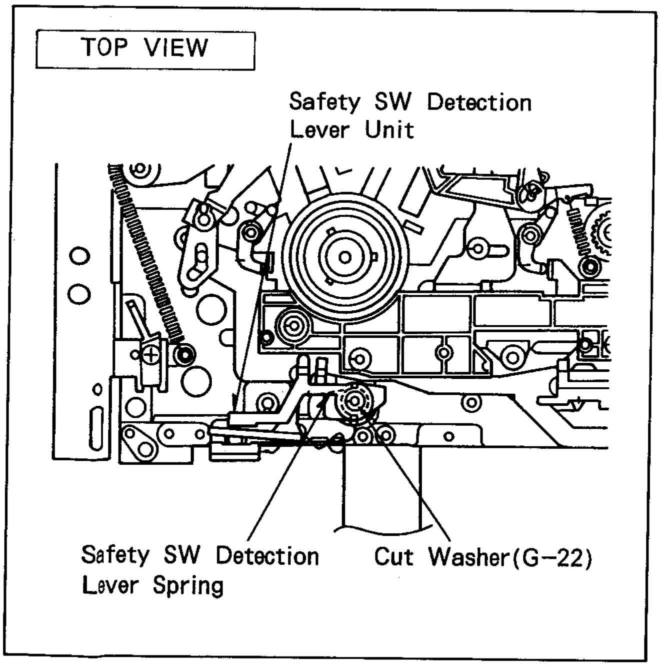

TOP VIEW
Safety SW Detection Lever Unit
Safety SW Detection Lever Spring
Cut Washer(G-22)

Fig. A83

23. INSTALLING OF THE SLIDER UNIT

(1) Install the Slider Unit so that the Lever (G-23) of Slider Unit holds the Rod(G-24) of Main Rod. [Fig.A84]
(2) Tighten 2 Screws(G-25). [Fig.A85]

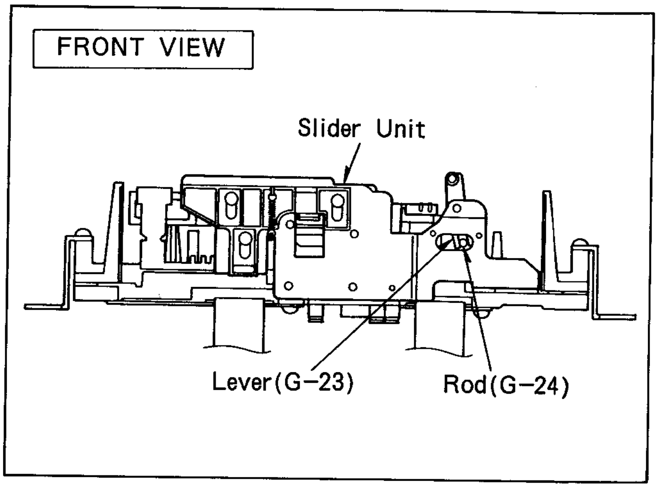

FRONT VIEW
Slider Unit
Lever(G-23)
Rod(G-24)

Fig. A84

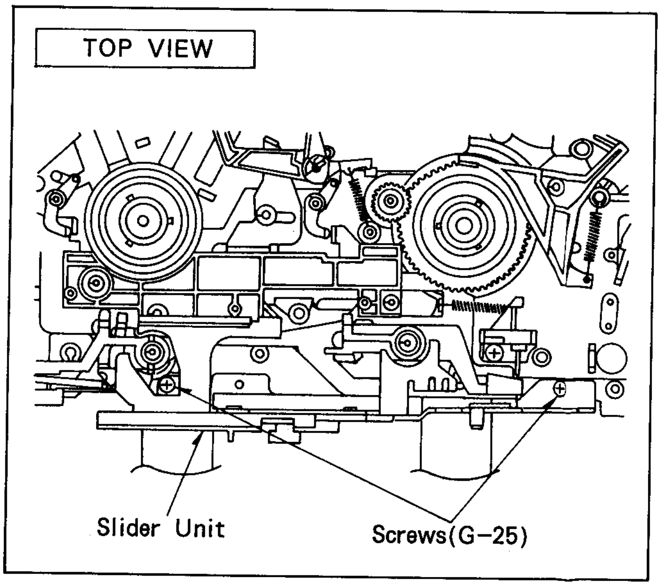

TOP VIEW
Slider Unit
Screws(G-25)

Fig. A85

2-2-5. CONFIRMATION OF MECHANICAL PHASE

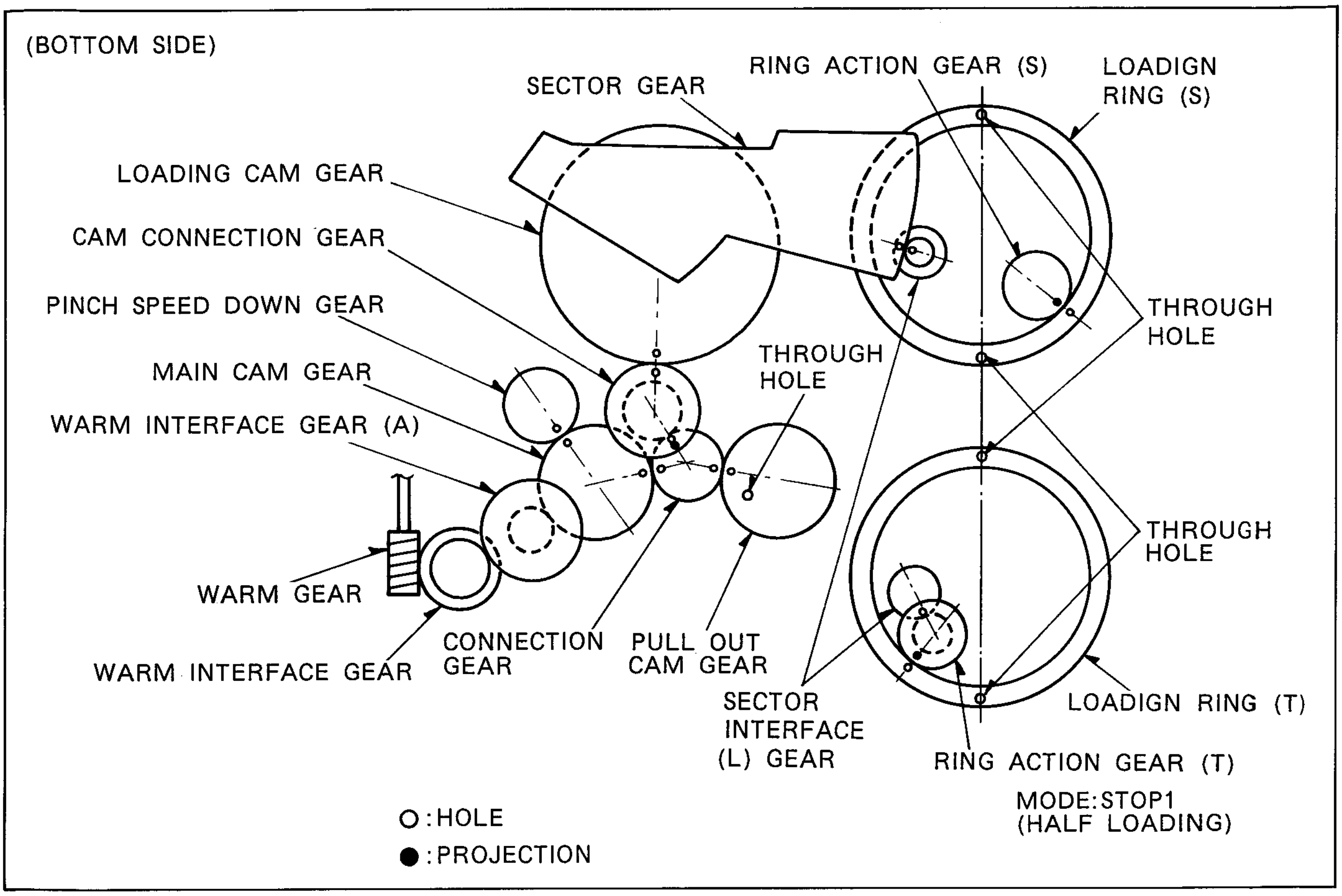

(BOTTOM SIDE)
SECTOR GEAR
RING ACTION GEAR (S)
LOADIGN RING (S)
LOADING CAM GEAR
CAM CONNECTION GEAR
PINCH SPEED DOWN GEAR
MAIN CAM GEAR
WARM INTERFACE GEAR (A)
THROUGH HOLE
THROUGH HOLE
THROUGH HOLE
WARM GEAR
WARM INTERFACE GEAR
CONNECTION GEAR
PULL OUT CAM GEAR
SECTOR INTERFACE (L) GEAR
LOADIGN RING (T)
RING ACTION GEAR (T)
O : HOLE
● : PROJECTION
MODE:STOP1 (HALF LOADING)

Fig. A86

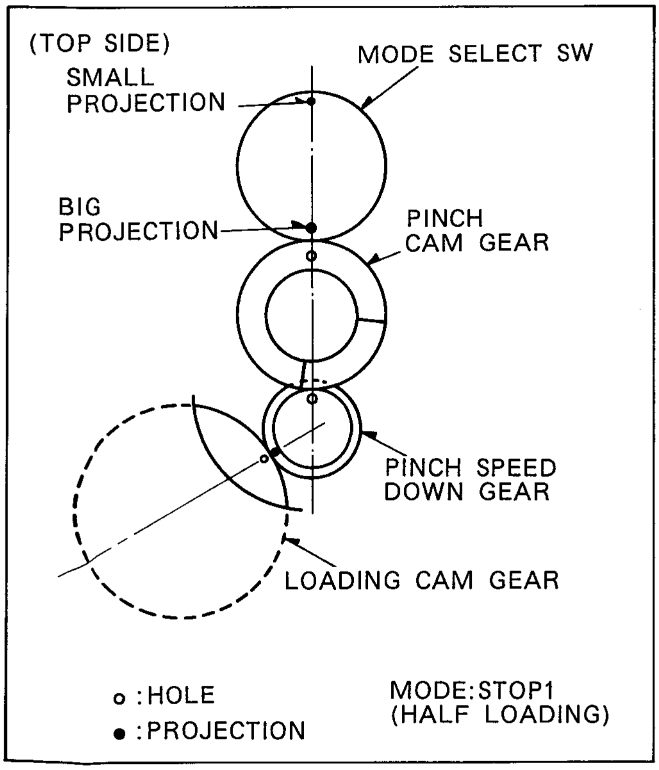

(TOP SIDE)
MODE SELECT SW
SMALL PROJECTION
BIG PROJECTION
PINCH CAM GEAR
PINCH SPEED DOWN GEAR
LOADING CAM GEAR
o : HOLE
● : PROJECTION
MODE:STOP1 (HALF LOADING)

Fig. A87

Figures Fig.A86 and Fig.A87 show gear phase of Mechanical Chassis, Fig.A88 and Fig.A89 show gear phase of Cassette Compartment.
Refer to the figures to confirm gear phase after assembling.

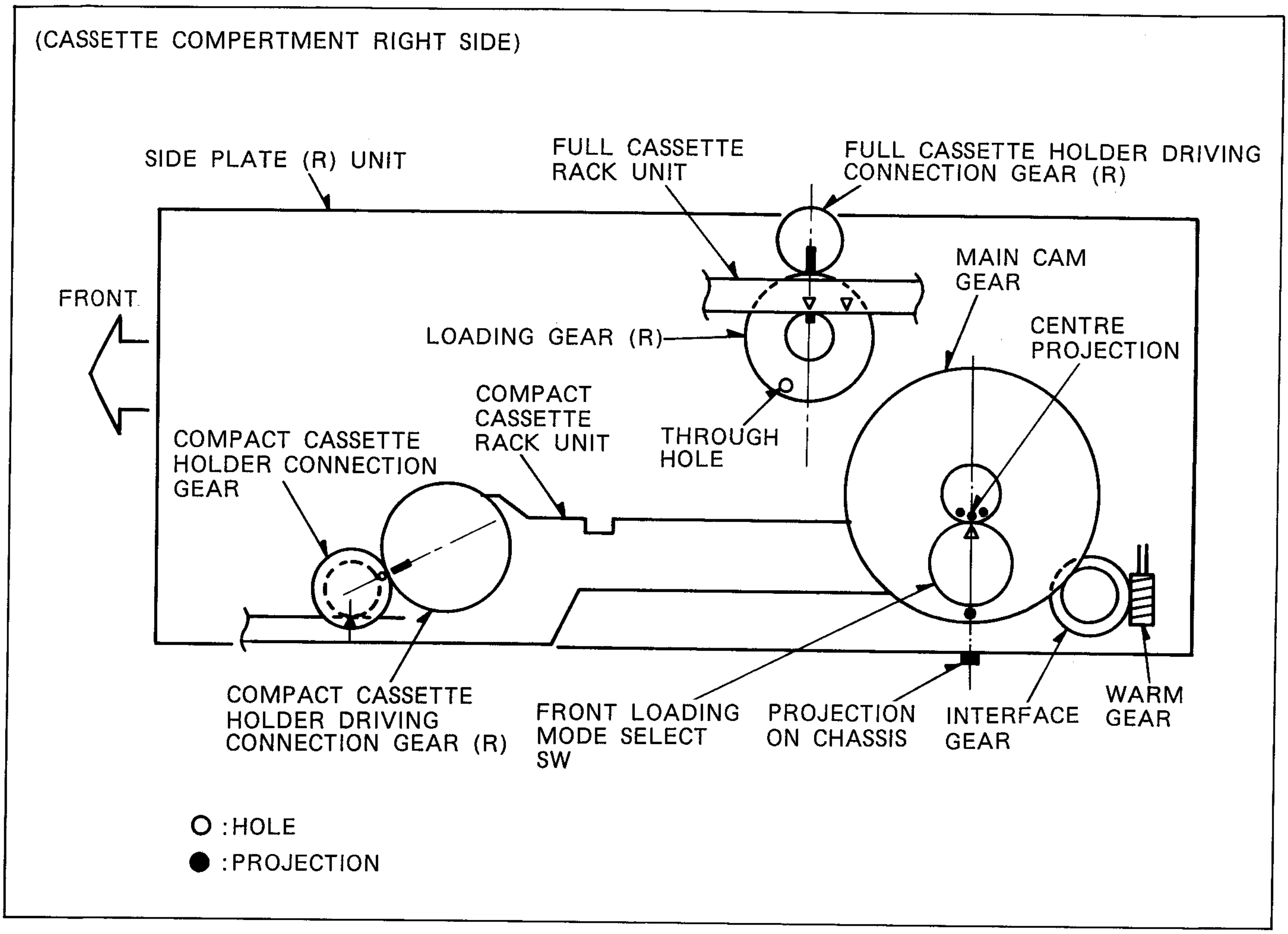

(CASSETTE COMPERTMENT RIGHT SIDE)
SIDE PLATE (R) UNIT
FULL CASSETTE RACK UNIT
FULL CASSETTE HOLDER DRIVING CONNECTION GEAR (R)
MAIN CAM GEAR
FRONT
LOADING GEAR (R)
CENTRE PROJECTION
COMPACT CASSETTE RACK UNIT
COMPACT CASSETTE HOLDER CONNECTION GEAR
THROUGH HOLE
COMPACT CASSETTE HOLDER DRIVING CONNECTION GEAR (R)
FRONT LOADING MODE SELECT SW
PROJECTION ON CHASSIS
INTERFACE GEAR
WARM GEAR
○ :HOLE
● :PROJECTION

Fig. A88

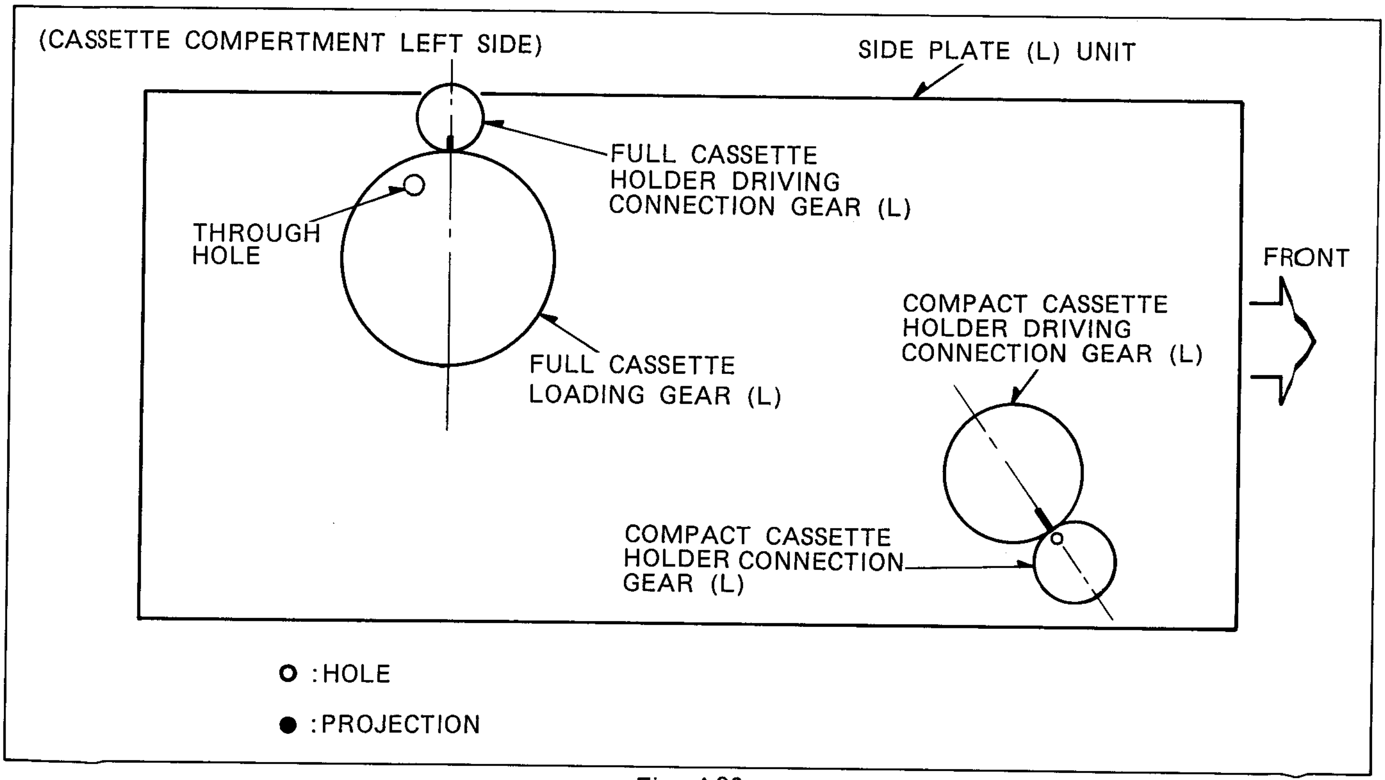

(CASSETTE COMPERTMENT LEFT SIDE)
SIDE PLATE (L) UNIT
FULL CASSETTE HOLDER DRIVING CONNECTION GEAR (L)
THROUGH HOLE
FRONT
FULL CASSETTE LOADING GEAR (L)
COMPACT CASSETTE HOLDER DRIVING CONNECTION GEAR (L)
COMPACT CASSETTE HOLDER CONNECTION GEAR (L)
○ :HOLE
● :PROJECTION

Fig. A89

2-3. MECHANICAL ADJUSTMENT PROCEDURES

2-3-1. PRESSING FORCE ADJUSTMENT OF THE PRESSURE ROLLER

(Required Equipment)

Fan-Type Tension Gauge(VFK66)
Fine Adjustment Screwdriver(VFK0157)

(Specification)
1230+-100g

(1) Set the Cassette Selection Button to Full Cassette mode.
(2) Set the Unit to Mechanism Service Position. (Refer to the SERVICE INFORMATION).
(3) Insert the Full Cassette Tape to Cassette Compartment Unit, and then set the Unit to PLAY mode.
(4) Set the Fan-Type Tension Gauge(VFK66) to the direction indicated by Arrow(M-1). [Fig.M1]
(5) Confirm that reading of the Tension Gauge is 1230+-100g at the moment of Pressure Roller is released by pressing force of Fan-Type Tension Gauge(VFK66).
(6) If it is out of specification, adjust the Pressing Force of Pressure Roller as following.

[ADJUSTMENT]
[1] Set the Fine Adjustment Screwdriver(VFK0157) to the Hole(M-2), and then loosen the Screw (M-3). [Fig.M1]
[2] Adjust the Pressing Force of Pressure Roller by Fine Adjustment Screwdriver(VFK0157) so that the reading of Fan-Type Tension Gauge becomes 1230+-100g, and then tighten the Screw(M-3). [Fig.M1]

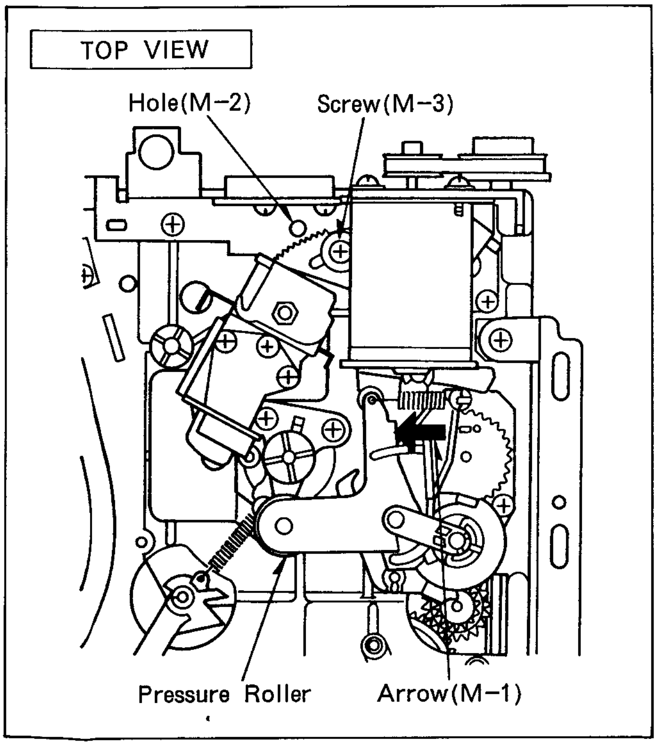


Fig. M1

2-3-2. ADJUSTMENT OF THE CAPSTAN FG HEAD GAP

(Required Equipment)
Fine Adjustment Screwdriver(VFK0157)

(Specification)
0.16+-0.04mm

(1) Slightly loosen 2 Screws(M-4) and set the Fine Adjustment Screwdriver(VFK0157) to the Hole (M-5). [Fig.M2]
(2) Adjust the Capstan FG Head Gap by Fine Adjustment Screwdriver(VFK0157) so that the Capstan FG Head Gap becomes 0.16+-0.04mm. [Fig.M2]

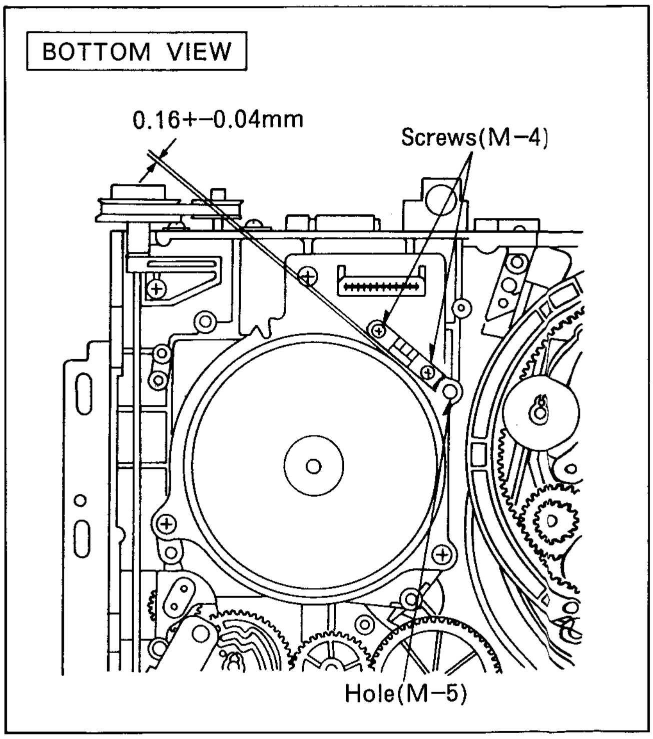


Fig. M2

NOTE:
Instead of this method, the cover page of this service manual can be alternative because the thickness is approx. 0.16mm.

2-3-3. ADJUSTMENT OF THE CAPSTAN THRUST GAP

(Required Equipment)
Reel Table Height Gauge(VFK0190)

(Specification)
0.5~0.55mm

(1) Turn the Thrust Adjust Screw slightly until the Capstan Rotor Unit just touches the coil of the Capstan Stator Unit. [Fig.M3]

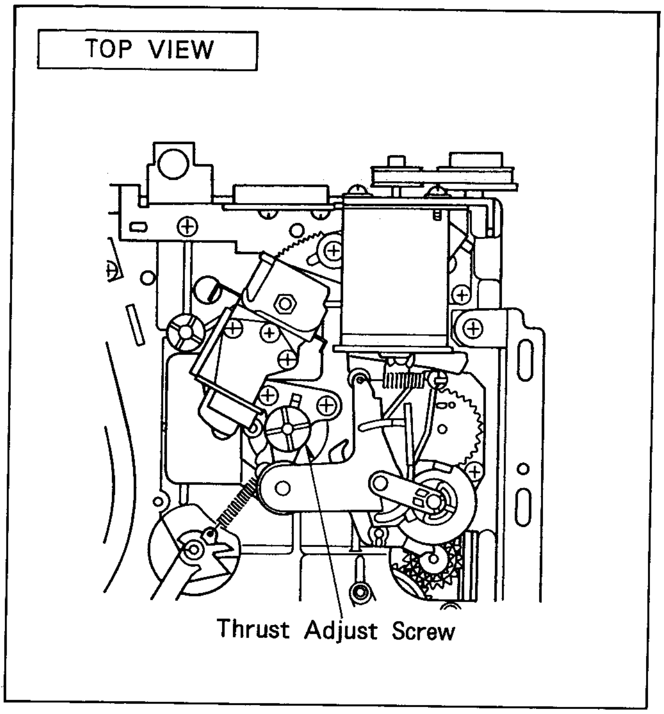

TOP VIEW
Thrust Adjust Screw

Fig. M3

(2) Place the Height Gauge on the Capstan Rotor Unit so that the Scraper of the Height Gauge comes onto surface of portion(M-6), and then set the Height Gauge to Zero "0". [Fig.M4]

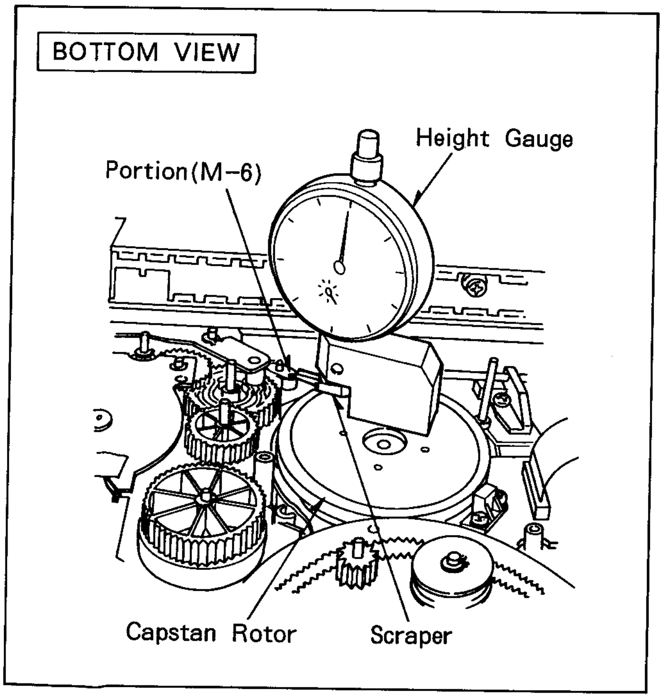

BOTTOM VIEW
Height Gauge
Portion(M-6)
Capstan Rotor
Scraper

Fig. M4

(3) Adjust the Thrust Adjust Screw so that the Thrust Gap becomes 0.5~0.55mm. [Fig.M5]

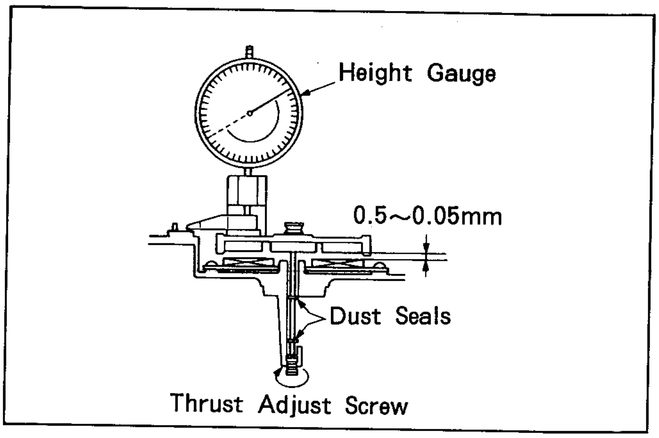

Height Gauge
0.5~0.05mm
Dust Seals
Thrust Adjust Screw

Fig. M5

2-3-4. HEIGHT ADJUSTMENT OF THE PULL-OUT POST(P5 POST)

(Required Euipment)
Nut Driver(Purchase locally)

(Specification)
No Curling

NOTE:
Unless the replacement or adjustment of this post is required, the adjustment nut should not be turned.

(1) Set the Unit to Mechanism Service Position. (Refer to the SERVICE INFORMATION), and then set the Cassette Selection Button to Compact Cassette mode.
(2) Set the Compact Cassette Tape to Chassis as shown in Fig.M6.
(3) Insert the Compact Cassette Tape to Cassette Compartment Unit, and then set the Unit to PLAY mode.
(4) Adjust the Height of Pull-Out Post by Nut(M-7) so that the edges of tape are not curling at the bottom or top end of the Pull-Out Post.

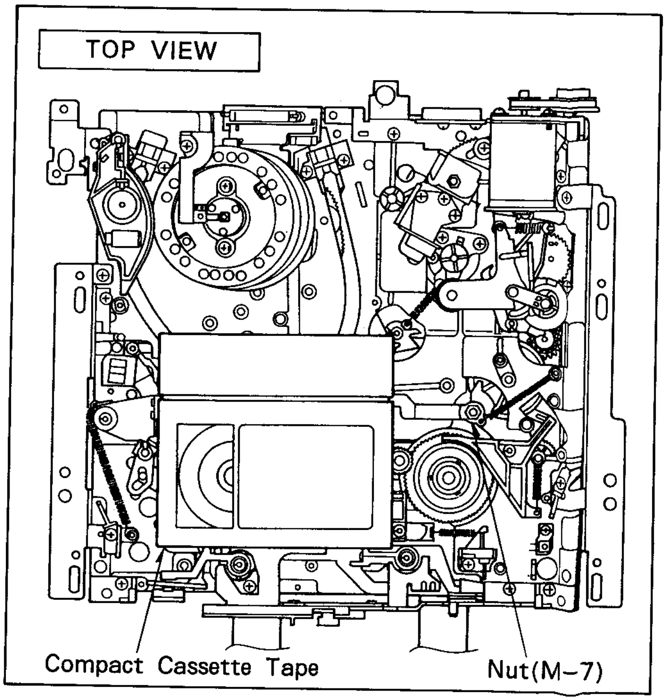

TOP VIEW
Compact Cassette Tape
Nut(M-7)

Fig. M6

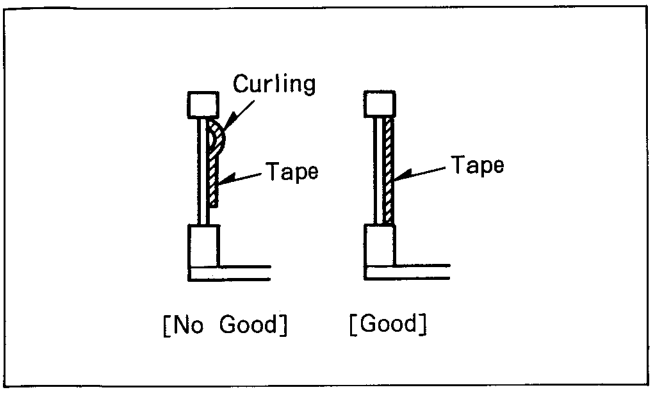

Curling
Tape
Tape
[No Good]
[Good]

Fig. M7

2–3–5. TAPE INTERCHANGEABILITY ADJUSTMENT

CAUTIONS:
To perform Tape Interchangeability adjustment, use Full Cassette Tape(VFJ8125H3F). After adjustment, confirm Tape Interchangeability by using Compact Cassette Tape(VFM8180HUPF).
If the Tape Interchangeability is not perfect, adjust and confirm again.

NOTE:
Proceed the following procedures for Tape Interchangeability Adjustment to do it Correctly and Smoothly.

A. Confirmation and Adjustment of P2 and P3 Posts.
B. Tilt Adjustment of A/C Head.
C. Height Adjustment of A/C Head.
D. Azimuth Adjustment of A/C Head.
E. Horizontal Position of A/C Head.

If the Tape Interchangeability Adjustment is not perfect, repeat the above procedures from A to E.

A. Confirmation and Adjustment of P2 and P3 Posts.

(Required Equipment)
Alignment Tape(VFJ8125H3F:PAL/SECAM)
Post Adjustment Screwdriver(VFK0329)

(1) Make a Test Mode as shown in Fig.M8.
Connect a Cut Jumper Wire on Servo VT C.B.A.

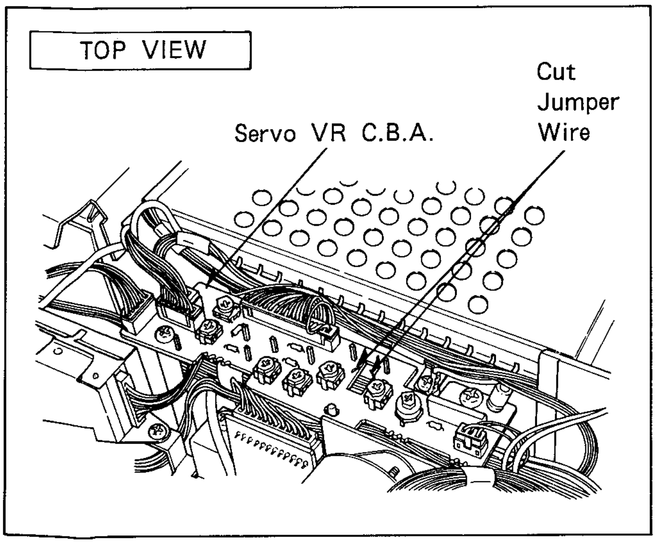

TOP VIEW
Servo VR C.B.A.
Cut Jumper Wire

Fig. M8

CAUTIONS:
After Tape Interchangeability Adjustment, restore the Cut Jumper Wire.

(2) Set the Tracking Control into the FIX position. (by pressing the Tracking (+) and (−) button simultaneously.)
And then connect the oscilloscope to the output of the Head Amp as shown in Fig.M9.

NOTE:
To get a stable waveform of the Head Amp output on the oscilloscope, use the head switching pulse as a triggering signal as shown in Fig.M9.

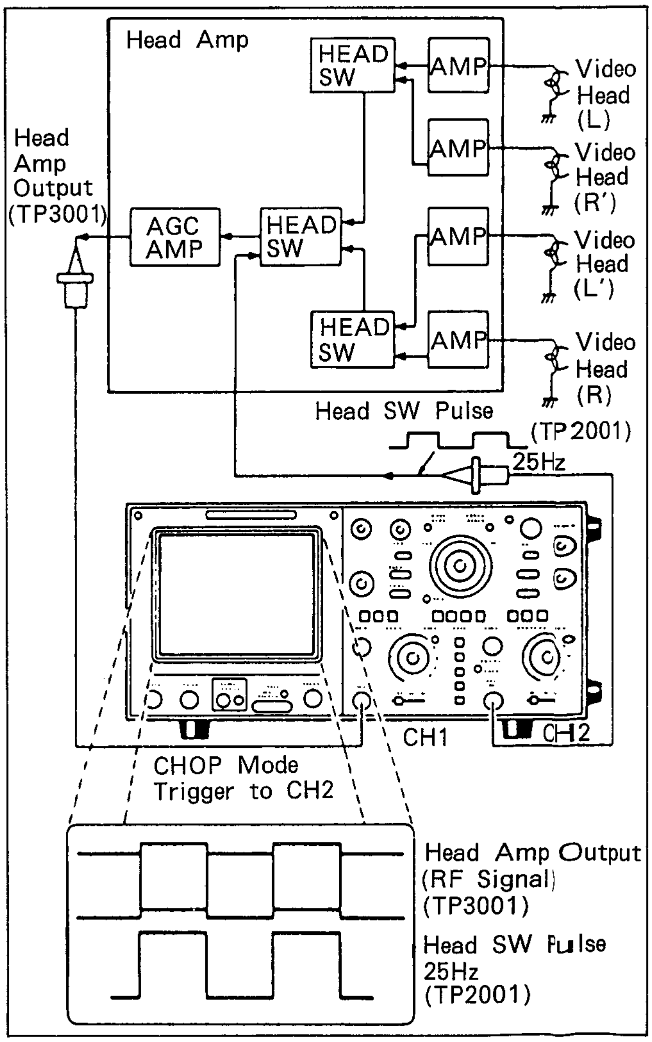

Head Amp
HEAD SW
AMP
Video Head (L)
AMP
Video Head (R')
Head Amp Output (TP3001)
AGC AMP
HEAD SW
AMP
Video Head (L')
HEAD SW
AMP
Video Head (R)
Head SW Pulse
(TP2001)
25Hz
CH1
CH2
CHOP Mode
Trigger to CH2
Head Amp Output (RF Signal) (TP3001)
Head SW Pulse 25Hz (TP2001)

Fig. M9

(3) Play back the alignment tape.

(4) If the RF envelope appears like example "A" or "B" in Fig.M10 then adjustment of the tape guide post(P2: Entrance) is necessary.

(5) Adjust the tape guide post(P2) with the post Adjustment screwdriver so that the RF envelope waveform at the entrance portion becomes flat as shown in Fig.M10–"C".

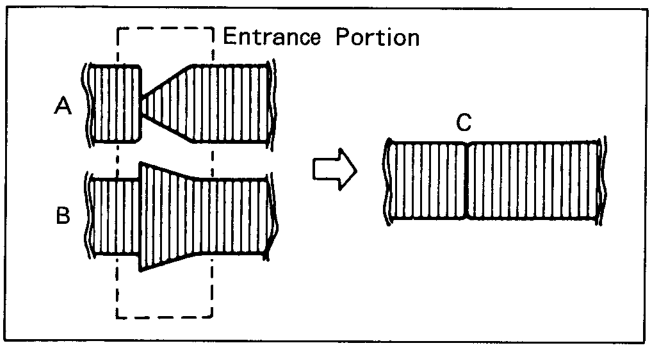

Entrance Portion
A
B
C

Fig. M10

(6) If the RF envelope appears like example "D" or "E" in Fig.M11, then adjustment of the tape guide post(P3: Exit) is necessary.

(7) Adjust the tape guide post (P3) in the same manner as the P2 post so that the exit portion becomes flat as shown in Fig.M11–"F".

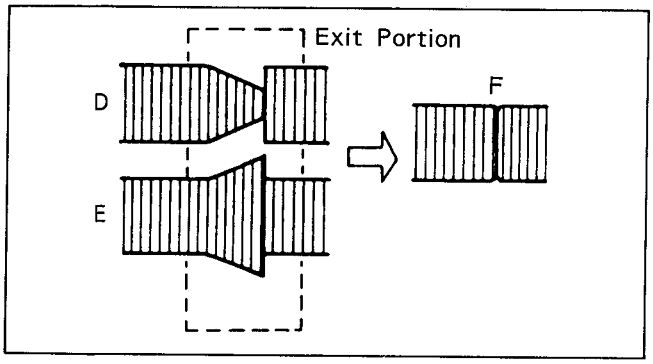

Exit Portion
D
E
F

Fig. M11

(8) Keep pressing the Tracking + button or – button, the output envelope should vary nearly parallel with other condition as shown in Fig.M12.

(9) Set the Tracking Control into centre FIX position and adjust for maximum RF envelope. If the RF envelope does not meet these specifications,
V1/V>=0.7, V2/V>=0.8 (Refer to Fig.M26)
then repeat steps 1–8 again.

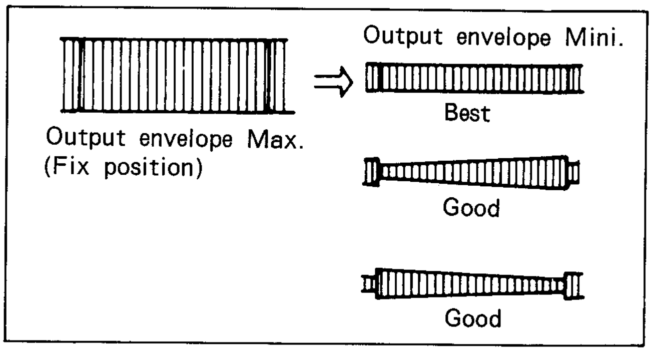

Output envelope Mini.
Best
Output envelope Max.
(Fix position)
Good
Good

Fig. M12

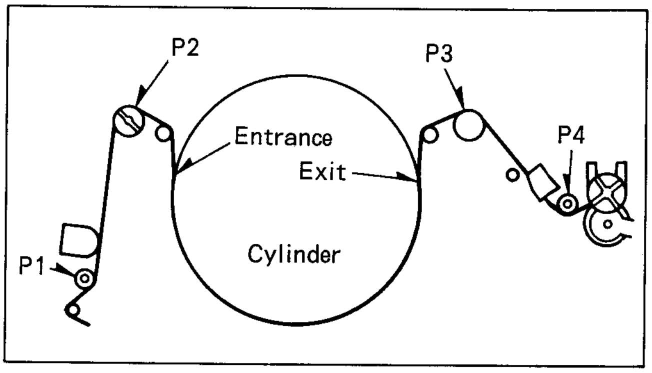

P2
P3
Entrance
Exit
P4
Cylinder
P1

Fig. M13

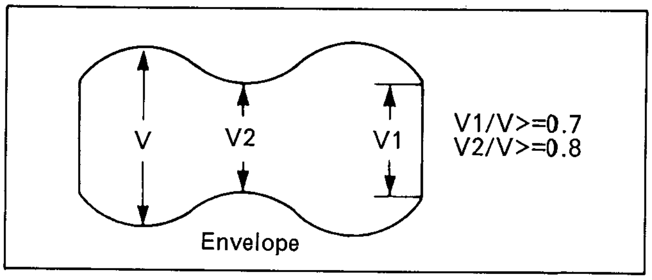

V
V2
V1
V1/V>=0.7
V2/V>=0.8
Envelope

Fig. M14

B. TILT ADJUSTMENT OF A/C HEAD

NOTE:
This procedure should be performed after replacing the A/C HEAD and pressure roller.

Playback the beginning portion of blank cassette tape and confirm that the tape runs between lower and upper limiter of P4 post. If there is waving or frilling in the lower edge or top edge of the tape, correct the tilt of the A/C head by turning the screw(B) located behind the A/C head.

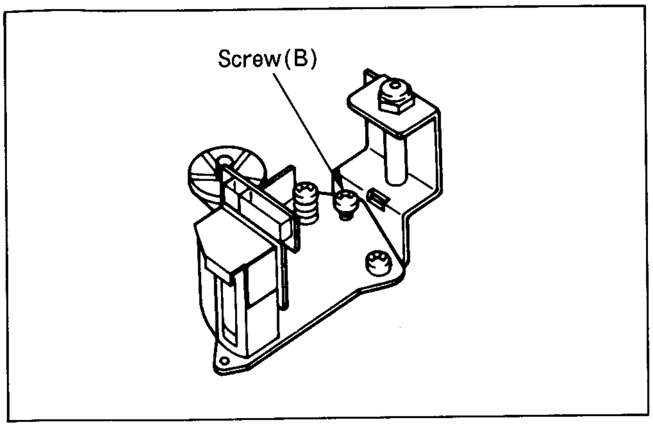


Fig. M15

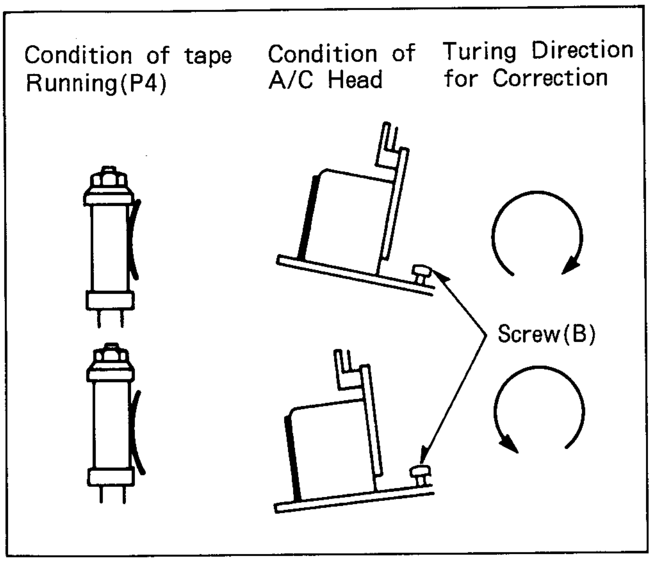

Condition of tape Running(P4)
Condition of A/C Head
Turing Direction for Correction
Screw(B)

Fig. M16

NOTE:
After Tilt adjustment of A/C head, height adjustment of A/C head is required.

C. HEIGHT ADJUSTMENT OF A/C HEAD

NOTE:
This procedure should be performed only when the A/C Head is replaced.

(Required Equipment)
Check Light(VFK0343)
Nut Driver(Purchase locally)

With the tape running, look at the lower edge of the control head by using the check light and check if the lower edge of tape runs along the lower edge of the control head.
If it doesn't slightly turn the nut(C) behind the A/C Head(Fig.M17) to either lower or raise the A/C Head so that the tape runs along the lower edge of the control head.
Turn the nut(C) clockwise to lower the head, and counter-clockwise to raise it.

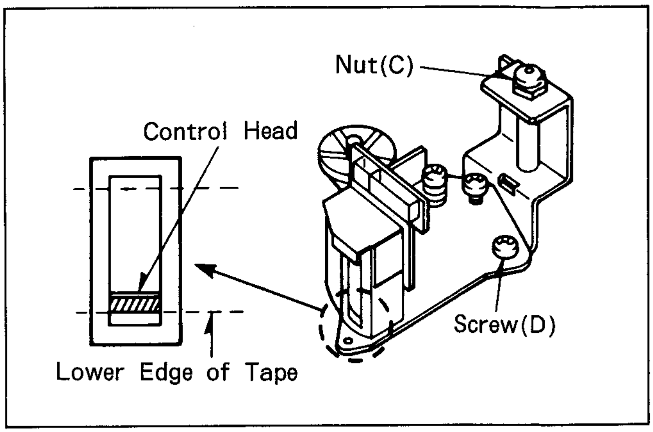


Fig. M17

D. AZIMUTH ADJUSTMENT OF A/C HEAD

NOTE:
This procedure should be performed only when the A/C Head is replaced and posts height are readjusted.

(Required Equipment)
Alignment Tape(VFJ8125H3F)

(1) Connect the oscilloscope to the audio output on the rear panel.
(2) Playback the 2nd portion(Normal Audio 6KHz) of the alignment tape.
(3) Adjust the screw(D)(Shown in Fig.M17) so that the output level becomes maximum.

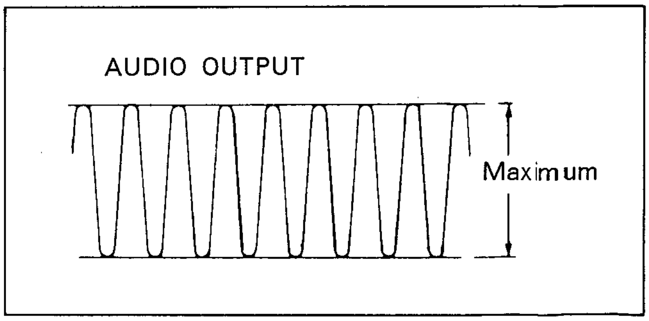


Fig. M18

E. HORIZONTAL POSITION ADJUSTMENT OF A/C HEAD

NOTE:
This procedure should be performed only when the A/C Head is replaced, and after performing the tape interchangeability adjustment.

(Required Equipment)
H-Position Adjustment Screwdriver(VFK0328)

Alignment Tape(VFJ8125H3F)

(1) Set the Tracking Control to the centre FIX position.
(2) Connect the oscilloscope to the output of Head Amp.(Refer to Fig.M9)

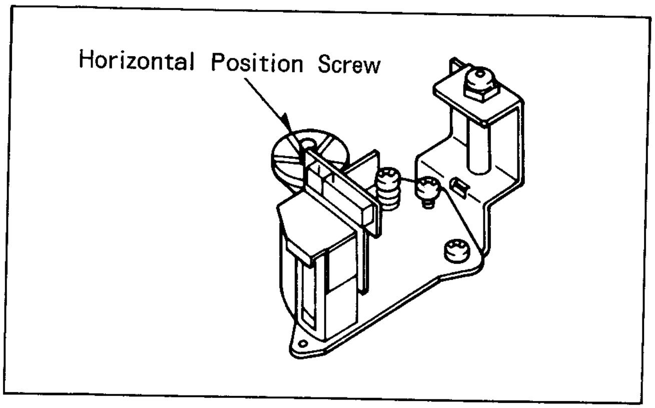


Fig. M19

(3) Playback the alignment tape.
(4) Adjust the Horizontal Position Screw of A/C head so that the RF signal becomes maximum level.

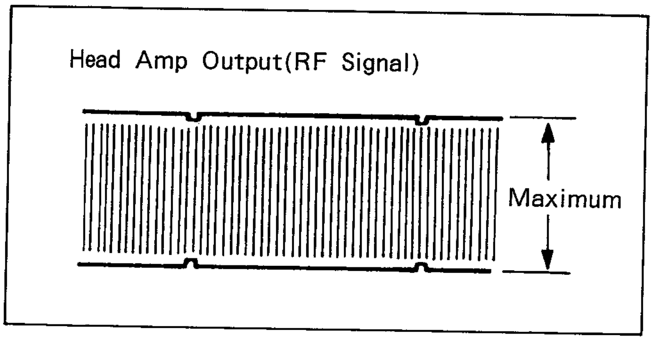
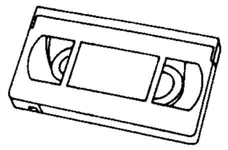
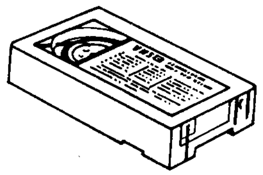
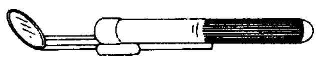
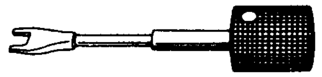
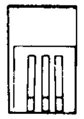
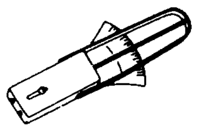
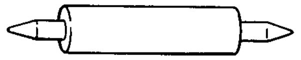
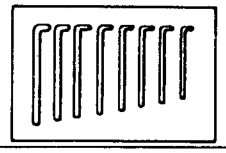
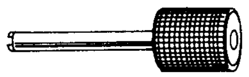
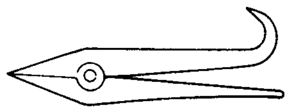
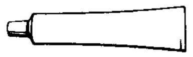
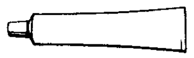
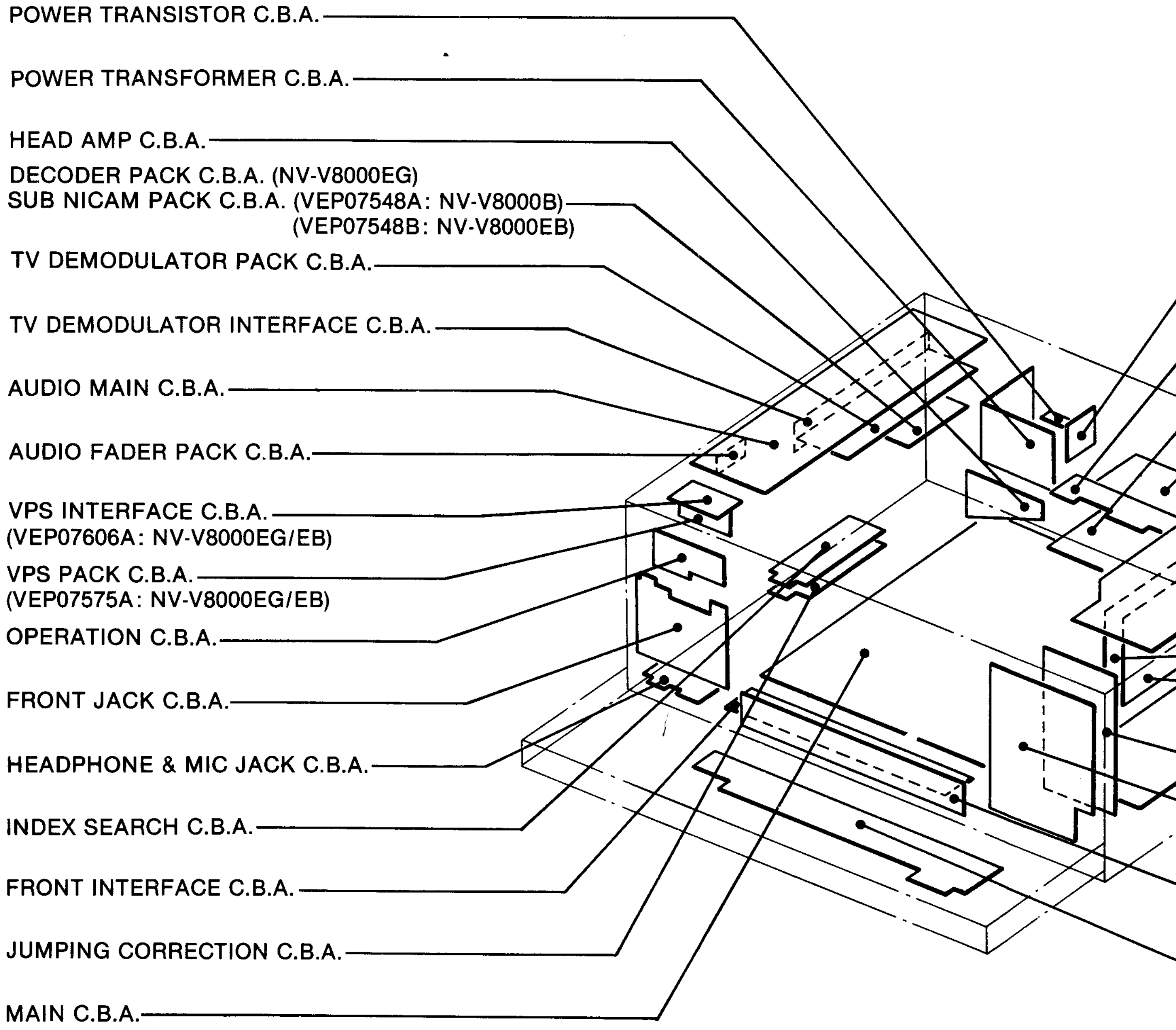


Fig. M20

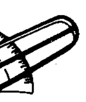
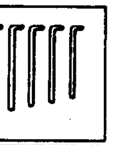
SERVICING FIXTURES & TOOLS FOR MECHANICAL ADJUSTMENTS

VFJ8125H3F VHS Alignment Tape 	VFM8180HUPF VHS-C Alignment Tape 	VFK0343 Check Light 
VFK0328 H-Position Adj. Screwdriver 	VFK27 Head Cleaning Stick 	VFK66 Fan Type Tension Gauge 
VFK0542 Mechanism Phase Alignment Pin 	Cleaning Liquid (Alcohol) <Purchase Locally> (Tape Transport Rubber Parts etc.)	VFK0326 Hex. Wrench Set (0.7, 0.9, 1.2, 1.5, 1.6, 2.0, 2.4, 3.0mm) 
VFK0329 Post Adj. Screwdriver 	VFK0335 Retaining Ring Remover (3mm/4mm) 	High Quality Machine Oil <Purchase Locally> (Reel Shaft, Capstan Shaft etc.)
MOR265 Morlytone Grease (Cam Gear, Slide Section, Hyper Pressure Sections etc.) 	VFK0680 White Grease (Plastic Gear etc.) 	

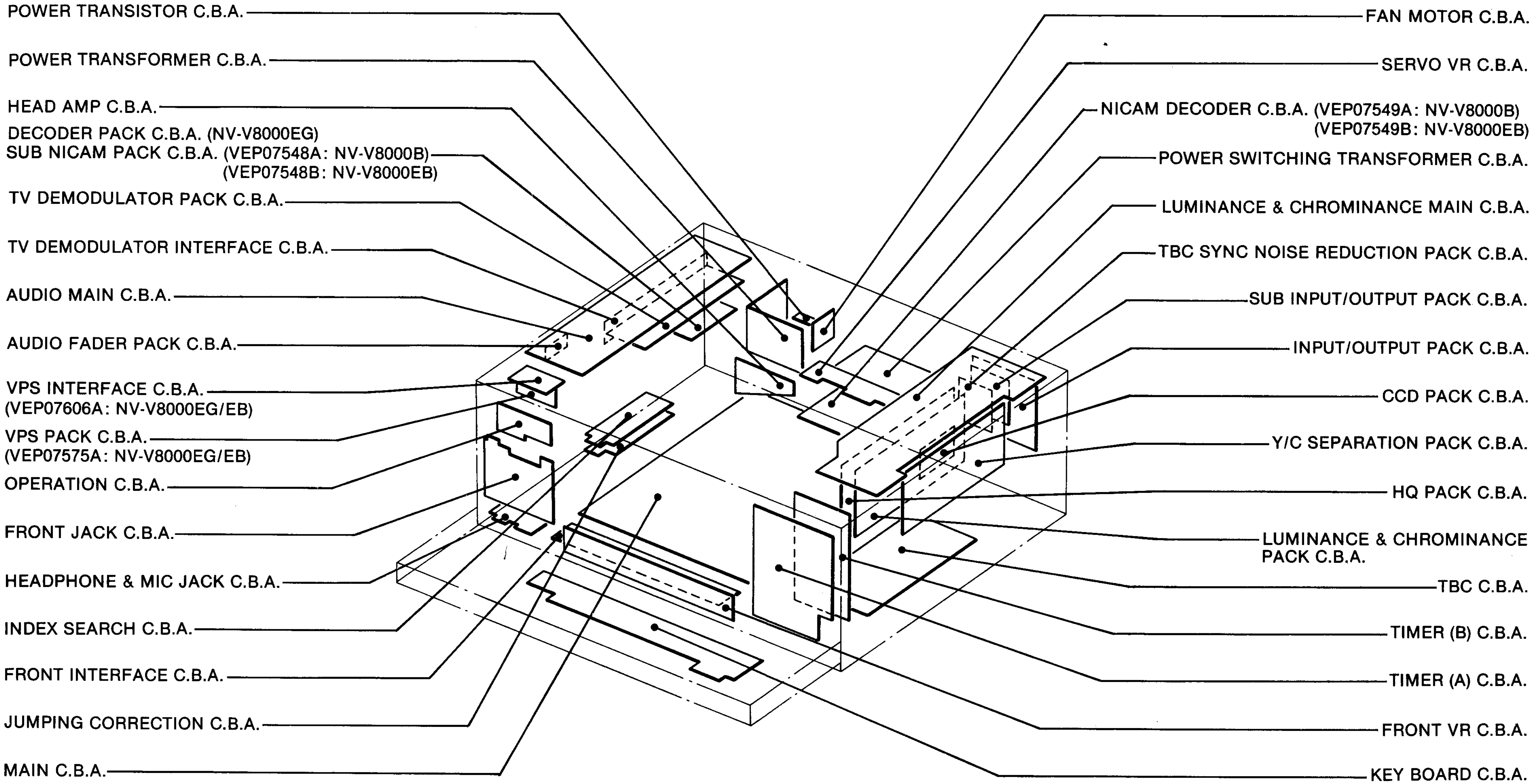
CIRCUIT BOARD LAYOUT


POWER TRANSISTOR C.B.A.
POWER TRANSFORMER C.B.A.
HEAD AMP C.B.A.
DECODER PACK C.B.A. (NV-V8000EG)
SUB NICAM PACK C.B.A. (VEP07548A: NV-V8000B)
(VEP07548B: NV-V8000EB)
TV DEMODULATOR PACK C.B.A.
TV DEMODULATOR INTERFACE C.B.A.
AUDIO MAIN C.B.A.
AUDIO FADER PACK C.B.A.
VPS INTERFACE C.B.A.
(VEP07606A: NV-V8000EG/EB)
VPS PACK C.B.A.
(VEP07575A: NV-V8000EG/EB)
OPERATION C.B.A.
FRONT JACK C.B.A.
HEADPHONE & MIC JACK C.B.A.
INDEX SEARCH C.B.A.
FRONT INTERFACE C.B.A.
JUMPING CORRECTION C.B.A.
MAIN C.B.A.

JUSTMENTS

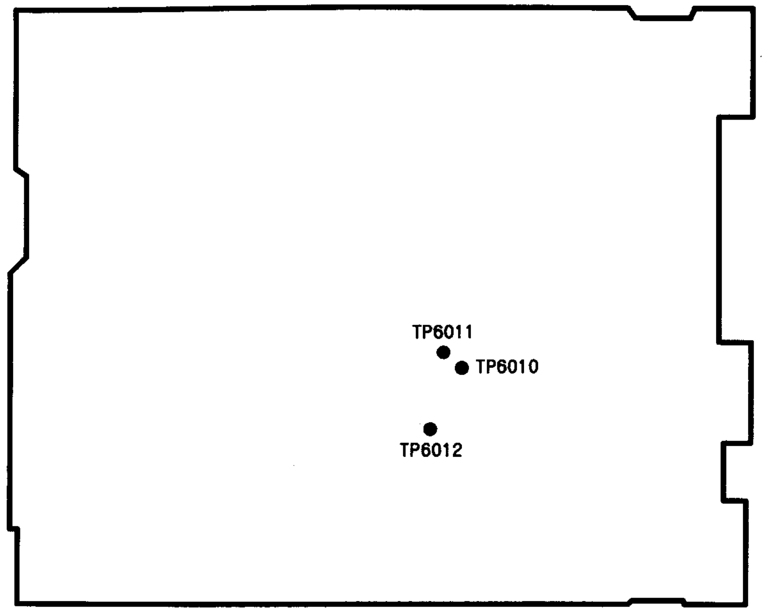
Check Light
ype Tension Gauge 
lex. Wrench Set 0.7, 0.9, 1.2, 1.5, 1.6, 2.0, 2.4, 3.0 mm) 
ne Oil ally> stan Shaft etc.)

CIRCUIT BOARD LAYOUT

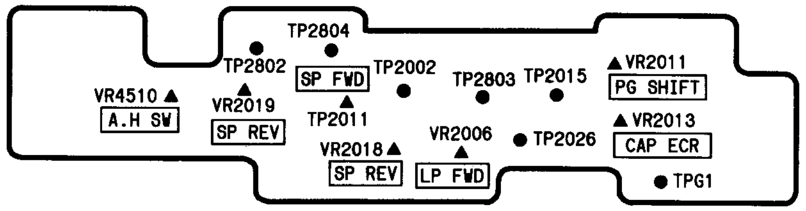

POWER TRANSISTOR C.B.A.
POWER TRANSFORMER C.B.A.
HEAD AMP C.B.A.
DECODER PACK C.B.A. (NV-V8000EG)
SUB NICAM PACK C.B.A. (VEP07548A: NV-V8000B)
(VEP07548B: NV-V8000EB)
TV DEMODULATOR PACK C.B.A.
TV DEMODULATOR INTERFACE C.B.A.
AUDIO MAIN C.B.A.
AUDIO FADER PACK C.B.A.
VPS INTERFACE C.B.A.
(VEP07606A: NV-V8000EG/EB)
VPS PACK C.B.A.
(VEP07575A: NV-V8000EG/EB)
OPERATION C.B.A.
FRONT JACK C.B.A.
HEADPHONE & MIC JACK C.B.A.
INDEX SEARCH C.B.A.
FRONT INTERFACE C.B.A.
JUMPING CORRECTION C.B.A.
MAIN C.B.A.
FAN MOTOR C.B.A.
SERVO VR C.B.A.
NICAM DECODER C.B.A. (VEP07549A: NV-V8000B)
(VEP07549B: NV-V8000EB)
POWER SWITCHING TRANSFORMER C.B.A.
LUMINANCE & CHROMINANCE MAIN C.B.A.
TBC SYNC NOISE REDUCTION PACK C.B.A.
SUB INPUT/OUTPUT PACK C.B.A.
INPUT/OUTPUT PACK C.B.A.
CCD PACK C.B.A.
Y/C SEPARATION PACK C.B.A.
HQ PACK C.B.A.
LUMINANCE & CHROMINANCE PACK C.B.A.
TBC C.B.A.
TIMER (B) C.B.A.
TIMER (A) C.B.A.
FRONT VR C.B.A.
KEY BOARD C.B.A.

LOCATION OF TEST POINTS & CONTROLS

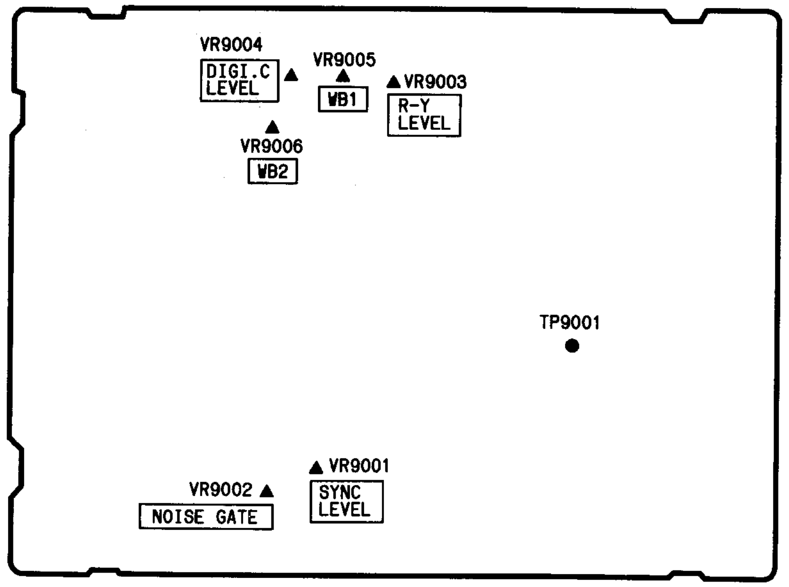
MAIN C.B.A.


TP6011
TP6010
TP6012

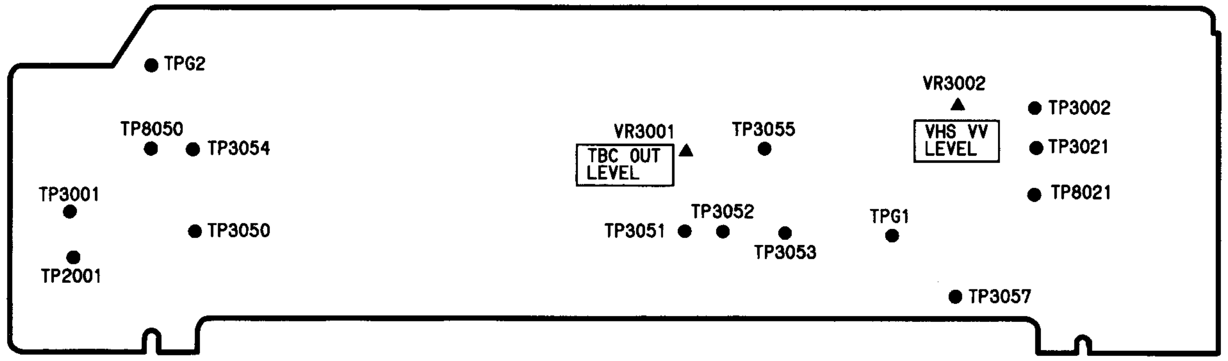
SERVO VR C.B.A.


TP2804
TP2802
TP2002
TP2803
TP2015
VR2011
VR4510
A.H SW
VR2019
SP REV
SP FWD
TP2011
PG SHIFT
VR2013
CAP ECR
VR2006
TP2026
VR2018
SP REV
LP FWD
TPG1

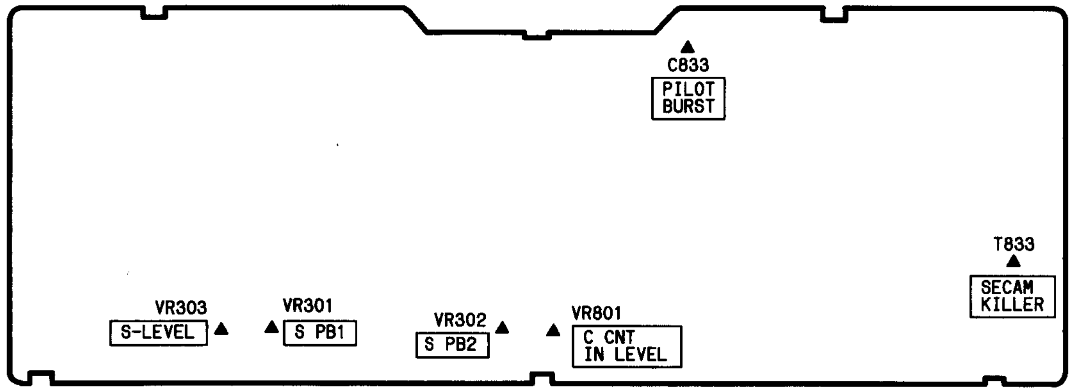
TBC C.B.A.


VR9004
DIGI.C LEVEL
VR9005
WB1
VR9003
R-Y LEVEL
VR9006
WB2
TP9001
VR9002
NOISE GATE
VR9001
SYNC LEVEL

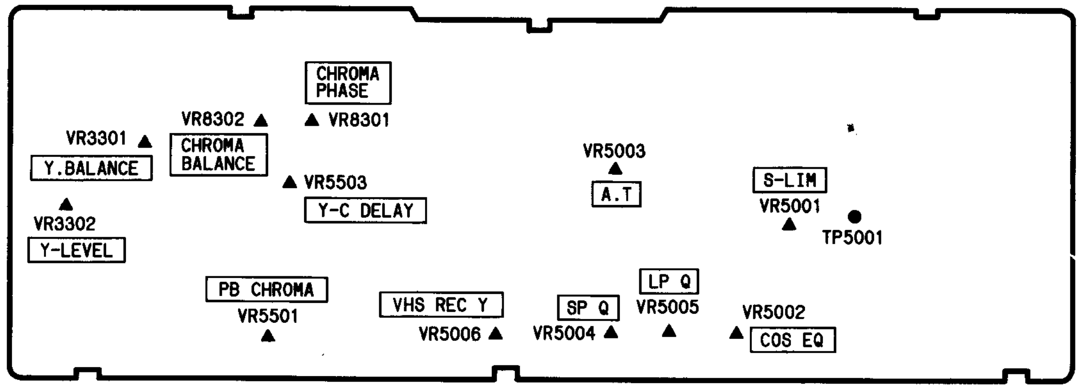
LUMINANCE & CHROMINANCE MAIN C.B.A.


TPG2
TP8050
TP3054
TP3001
TP3050
TP2001
VR3001
TBC OUT LEVEL
TP3055
VR3002
VHS VV LEVEL
TP3002
TP3021
TP8021
TP3052
TP3051
TP3053
TPG1
TP3057

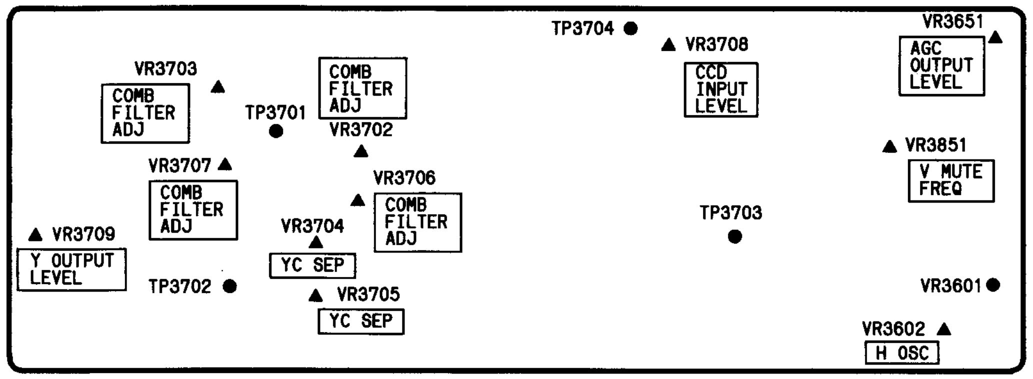
LUMINANCE & CHROMINANCE PACK C.B.A.


C833
PILOT BURST
T833
SECAM KILLER
VR303
S-LEVEL
VR301
S PB1
VR302
S PB2
VR801
C CNT IN LEVEL

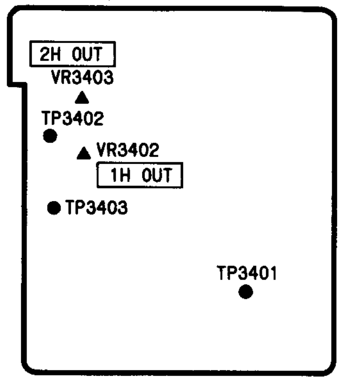
HQ PACK C.B.A.


CHROMA PHASE
VR8301
VR8302
CHROMA BALANCE
VR3301
Y.BALANCE
VR5503
Y-C DELAY
VR3302
Y-LEVEL
VR5003
A.T
S-LIM
VR5001
TP5001
PB CHROMA
VR5501
VHS REC Y
VR5006
SP Q
VR5004
LP Q
VR5005
VR5002
COS EQ

Y/C SEPARATION PACK C.B.A.

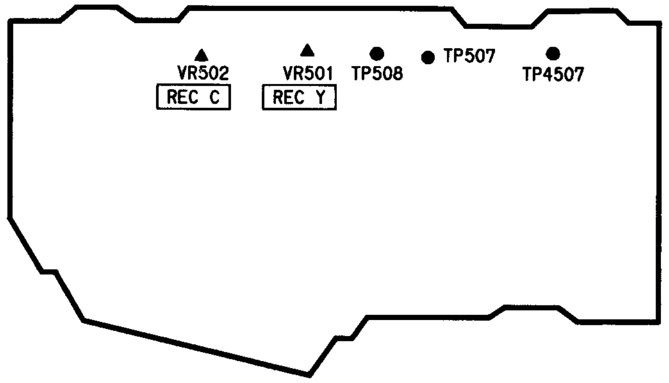

TP3704
VR3708
CCD INPUT LEVEL
VR3651
AGC OUTPUT LEVEL
VR3703
COMB FILTER ADJ
COMB FILTER ADJ
TP3701
VR3702
VR3851
V MUTE FREQ
VR3707
COMB FILTER ADJ
VR3706
COMB FILTER ADJ
VR3704
YC SEP
TP3703
VR3709
Y OUTPUT LEVEL
TP3702
VR3705
YC SEP
VR3601
VR3602
H OSC

TBC SYNC NOISE REDUCTION PACK C.B.A.

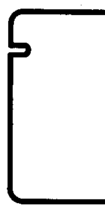

2H OUT
VR3403
TP3402
VR3402
1H OUT
TP3403
TP3401

AUDIO MAIN C.B.A.

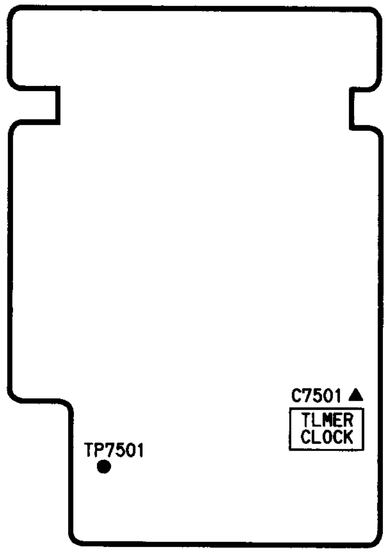
HEAD AMP C.B.A.


VR502
REC C
VR501
REC Y
TP508
TP507
TP4507

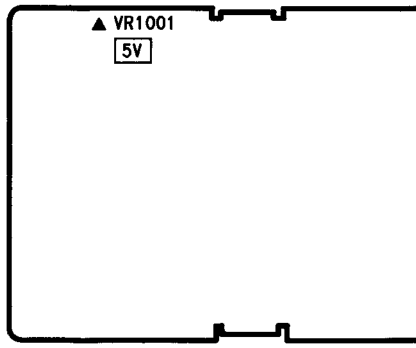
JU



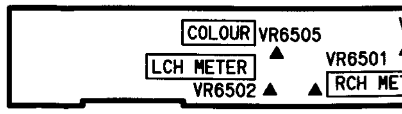
TIMER (B) C.B.A.


C7501
TIMER CLOCK
TP7501

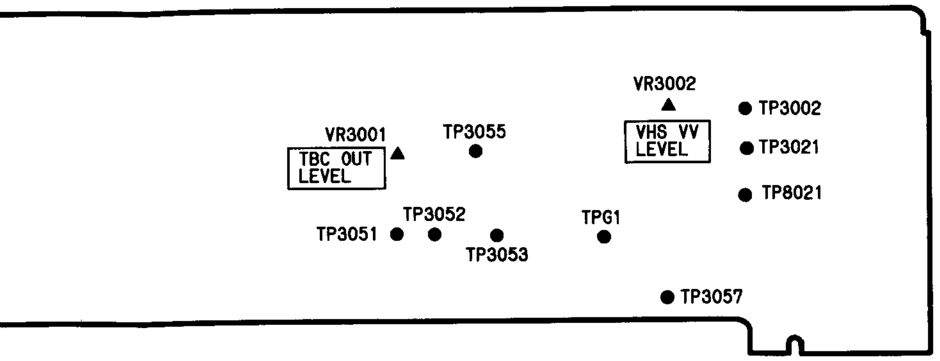
POWER SWITCHING TRANSFORMER



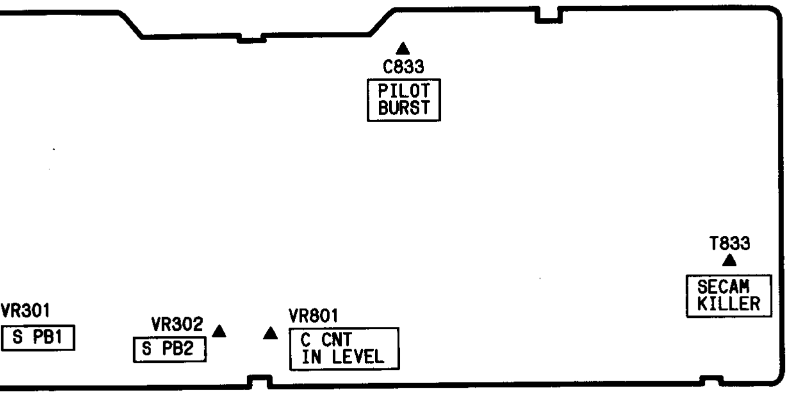
FRONT VR C.B.A.

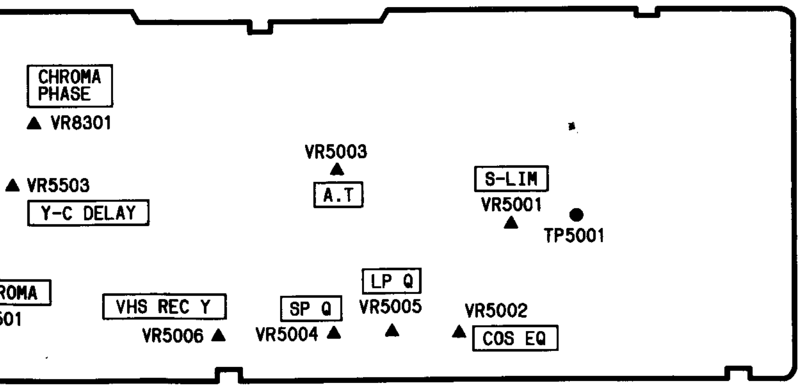

COLOUR
VR6505
LCH METER
VR6501
VR6502
RCH MET

& CHROMINANCE MAIN C.B.A.

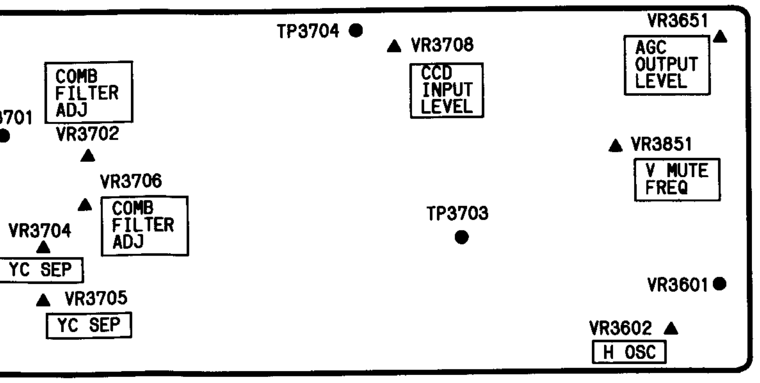

VR3002
TP3002
VR3001
TBC OUT LEVEL
TP3055
VHS VV LEVEL
TP3021
TP8021
TP3052
TPG1
TP3051
TP3053
TP3057

ANCE PACK C.B.A.

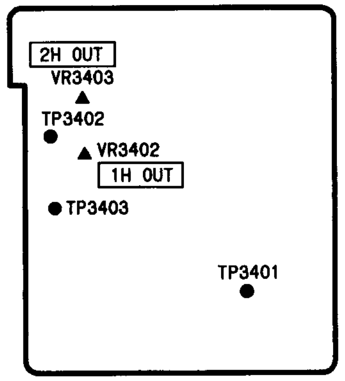

C833
PILOT BURST
T833
SECAM KILLER
VR301
S PB1
VR302
S PB2
VR801
C CNT IN LEVEL


CHROMA PHASE
VR8301
VR5003
VR5503
A.T
S-LIM
VR5001
TP5001
Y-C DELAY
LP Q
ROMA
01
VHS REC Y
SP Q
VR5005
VR5002
VR5006
VR5004
COS EQ

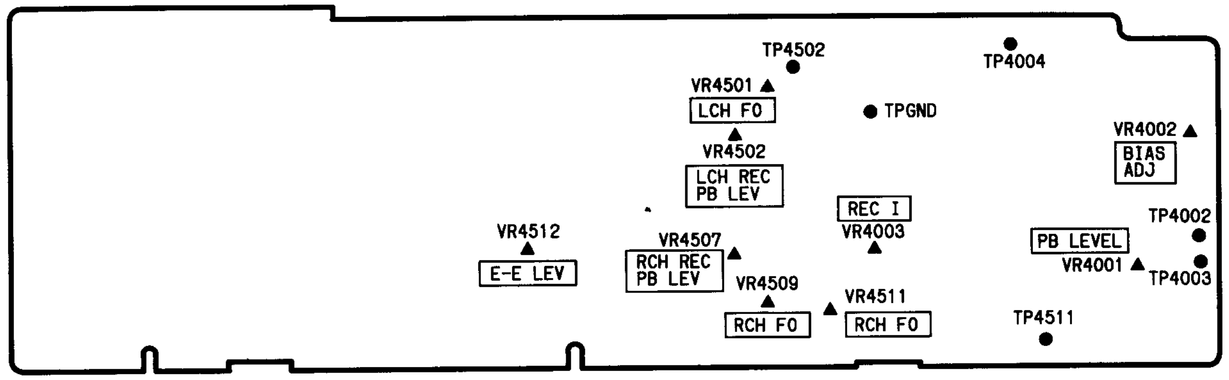
C.B.A.


VR3651
TP3704
VR3708
AGC OUTPUT LEVEL
COMB FILTER ADJ
CCD INPUT LEVEL
701
VR3702
VR3851
VR3706
V MUTE FREQ
TP3703
VR3704
COMB FILTER ADJ
YC SEP
VR3601
VR3705
YC SEP
VR3602
H OSC

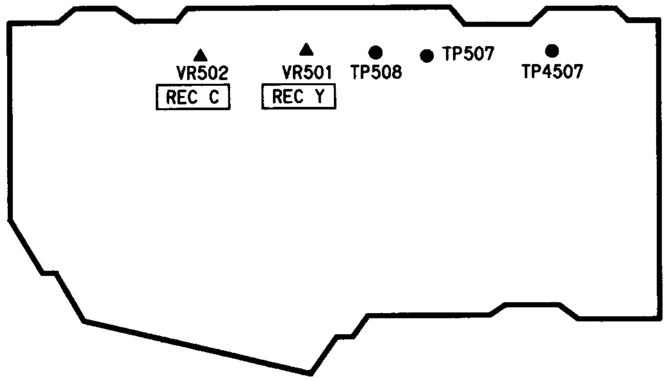
TBC SYNC NOISE REDUCTION PACK C.B.A.


2H OUT
VR3403
TP3402
VR3402
1H OUT
TP3403
TP3401

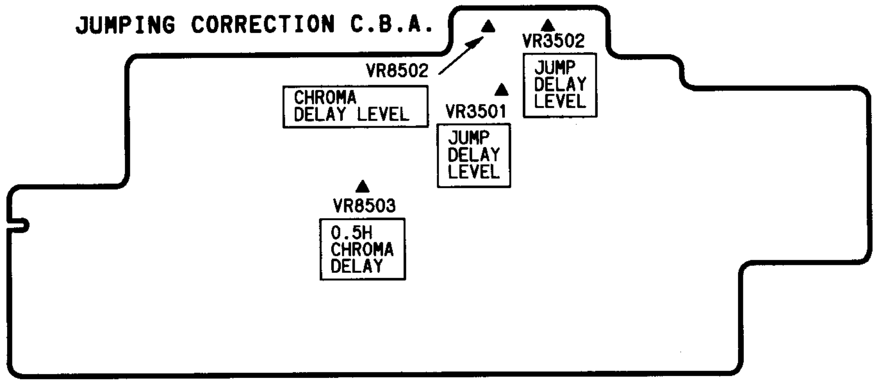
AUDIO MAIN C.B.A.


TP4502
TP4004
VR4501
LCH FO
TPGND
VR4002
BIAS ADJ
VR4502
LCH REC PB LEV
REC I
VR4003
TP4002
VR4512
VR4507
PB LEVEL
E-E LEV
RCH REC PB LEV
VR4001
TP4003
VR4509
VR4511
RCH FO
RCH FO
TP4511

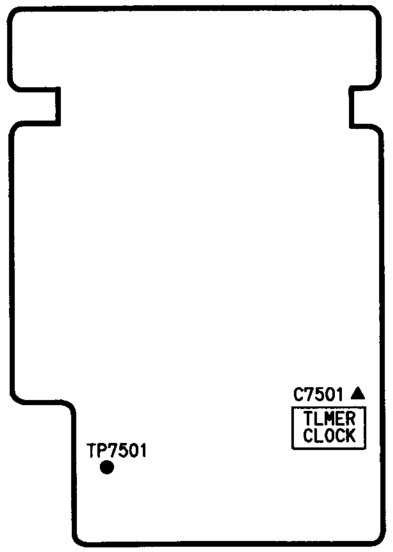
HEAD AMP C.B.A.


TP507
VR502
VR501
TP508
TP4507
REC C
REC Y

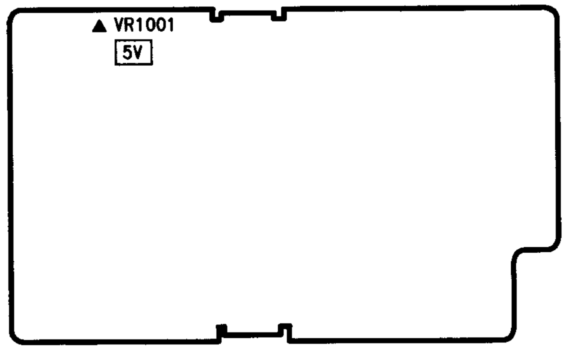
JUMPING CORRECTION C.B.A.


VR3502
VR8502
JUMP DELAY LEVEL
CHROMA DELAY LEVEL
VR3501
JUMP DELAY LEVEL
VR8503
0.5H CHROMA DELAY

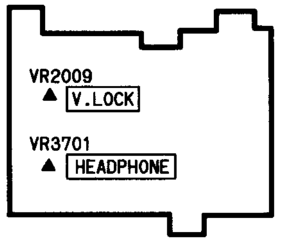
TIMER (B) C.B.A.


C7501
TLMER CLOCK
TP7501

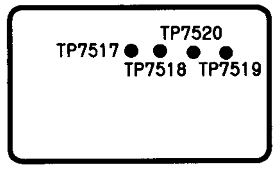
POWER SWITCHING TRANSFORMER C.B.A.



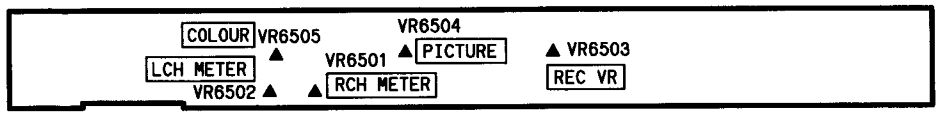
FRONT JACK C.B.A.


VR2009
V.LOCK
VR3701
HEADPHONE

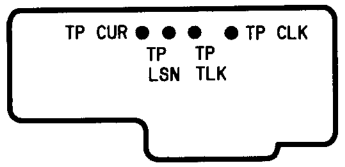
VPS INTERFACE C.B.A. (NV-V8000EG/EB)


TP7517
TP7520
TP7518
TP7519

FRONT VR C.B.A.


COLOUR
VR6505
VR6504
PICTURE
VR6503
LCH METER
VR6501
VR6502
RCH METER
REC VR

OPERATION C.B.A.


TP CUR
TP CLK
TP LSN
TP TLK

2-4-50. BIAS CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4002(+) TP4003(−)	VR4002	RECORDING	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	VACUUM TUBE VOLT METER	2.4+−0.1mVrms	

1) Place the unit in recording mode.
2) Connect the vacuum tude volt meter to TP4002 (+) and TP4003 (−).
3) Adjust VR4002 so that the level of TP4002 to be 2.4+−0.1mVrms.

2-4-51. PLAYBACK LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
LINE OUT	VR4001	SELF RECORDING AND PLAYBACK (SP)	SINE WAVE (1KHz, −10dB) VIDEO SIGNAL (LINE−IN)
TAPE	**M. EQ.**	**SPEC.**	
S−VHS BLANK TAPE	VACUUM TUBE VOLT METER	EE LEVEL +−0.5dB (EE LEVEL +−20mVrms)	

1) Supply sinewave (1KHz, −10dB) for audio and video signal to LINE IN and record the input signal in SP mode for few time. And measure the E−E level by connecting vacuum tube volt meter to audio LINE OUT.
2) Playback the just recorded portion.
3) Adjust VR4001 so that the playback level to be (E−E level) +−20mVrms.

TIMER Section

2-4-52. TIMER CLOCK ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP7501	C7501	STOP	
TAPE	**M. EQ.**	**SPEC.**	
	FREQUENCY COUNTER	7812.5+−0.017us	

NOTE:
Connect Pin 3 of P7501 and Pin 4 of P7501.

1) Connect the frequency counter to TP7501.
2) Adjust C7501 so that the reading of counter to be 7812.5+−0.017us.

2-4-53. REMOTE CONTROLLER TUNING ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC6701−6	VR6701	STOP	SINE WAVE (36.7KHz, 30uVp−p) TO IC6701−8
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE	MAXIMUM DC COMPONENT	

NOTE:
Supply +5V to Pin 1 of IC6701.

1) Supply sinewave(36.7KHz,30uVp−p) to Pin 8 of IC6701 via capacitor 0.1uF.
2) Connect the oscilloscope to Pin 6 of IC6701.
3) Adjust VR6701 so that DC voltage to be maximum.

2-4-47. CARRIER FREQUENCY fo ADJUSTMENT

TP	ADJ.	MODE	INPUT
(R) BETWEEN C4516 AND R4513 (L) BETWEEN C4566 AND R4563	VR4501 VR4509	RECORDING (SP)	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	FREQUENCY COUNTER	(R) 1.8MHz+-3KHz (L) 1.4MHz+-3KHz	

1) Play the unit in SP recording mode.
2) Connect the frequency counter to between C4516 and R4513.
3) Adjust VR4501 so that the fo to be 1.4MHz+-3KHz.
4) Connect the frequency counter to between C4566 and R4563.
5) Adjust VR4509 so that the of to be 1.8MHz+-3KHz.

2-4-48. CARRIER FREQUENCY FO DIFFERENCE ADJUSTMENT

TP	ADJ.	MODE	INPUT
(R) BETWEEN C4516 AND R4513 (L) BETWEEN C4566 AND R4563	VR4511	RECORDING (SP)	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	FREQUENCY COUNTER	(R)-(L)=398.5+-2KHz	

1) Place the unit in SP recording mode.
2) Connect the frequency counter to between C4516 and C4513 for measuring R CH fo.
3) Connect the frequency counter to between C4566 and R4563 for measuring L CH fo.
4) Adjust VR4511 so that the (R CH fo)-(L CH fo) =398.5+-2KHz.
5) After adjustment, confirm that the R CH fo and the L CH fo should be within specification.

2-4-49. HEAD SWITCHING SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4511 TP4502	VR4510	PLAYBACK	
TAPE	**M. EQ.**	**SPEC.**	
ALIGNMENT TAPE (VFJ8125H3F) (Hi-Fi PORTION)	OSCILLO-SCOPE	NO ENVELOPE CLACK ON JOINT PORTION	

1) Playback the alignment tape Hi-Fi audio portion.
2) Connect the oscilloscope to TP4511 and TP4502.
3) Adjust VR4510 so that the envelope at TP4502 to be no clack and L CH and R CH joint portion.
4) Adjust tracking and confirm envelope clack appeares or not. If appears, readjust VR4510.

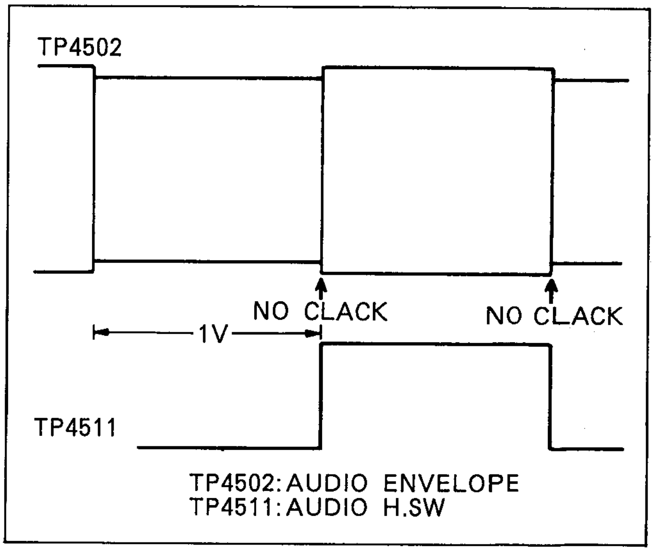


Fig. E48

NOTE:
Audio output mode should be STEREO.

1) Supply sinewave (1KHz, −10dB) to LINE IN.
2) Connect the oscilloscope to LINE OUT L CH.
3) Adjust VR4512 so that the level of L CH LINE OUT to bs −8+−0.5dBV(400+−20mVrms).

2-4-44. LEVEL METER SENSITIVITY ADJUSTMENT

TP	ADJ.	MODE	INPUT
LEVEL METER	VR6501 VR6502	STOP	SINE WAVE (1KHz, −10dB) (LINE−IN)
TAPE	**M. EQ.**	**SPEC.**	
	VACUUM TUBE VOLT METER SINE WAVE GENERATOR	SEGMENT OF 0dB FOR "L" AND "R" ARE JUST LIGHT UP	

NOTE:
Audio output mode should be STEREO.

1) Supply sinewave(1KHz, −10dB) to LINE IN.
2) Connect the vacuum tube volt meter to LINE OUT each channel L and R.
3) Adjust REC VR that is on the front panel so that the output level of both channel to be 400mVrms.
4) Adjust VR6501 for L CH and VR6502 for R CH so that the 0dB indicator of level meter just light up.

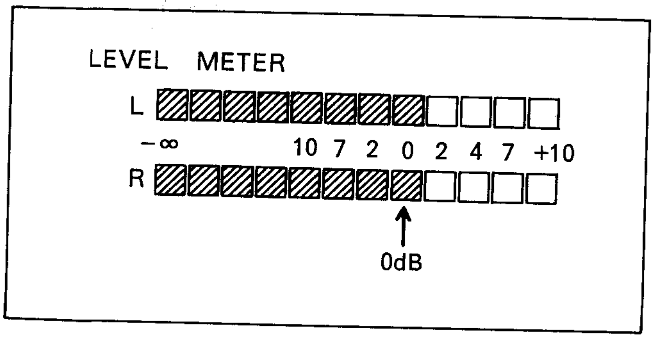


Fig. E46

2-4-45. RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP5407 (HOT) SHIELD COVER (GND)	VR4003	RECORDING (SP)	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	480+−10mVp−p	

1) Place the unit in recording mode.
2) Connect the oscilloscope to TP4507(HOT) and shield cover of Hi-Fi audio pack C.B.A. (GND)
3) Adjust VR4003 so that the recording current to be 480+−10mVp−p.

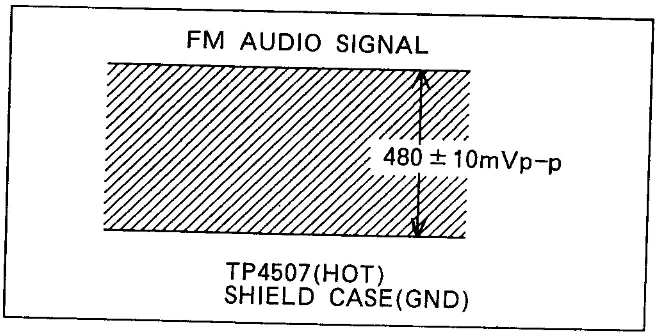


Fig. E47

2-4-46. DEVIATION ADJUSTMENT

TP	ADJ.	MODE	INPUT
LINE OUT	VR4502 VR4507	RECORDING AND PLAYBACK (SP)	SINE WAVE (1KHz, −10dB) (LINE−IN)
TAPE	**M. EQ.**	**SPEC.**	
	VACUUM TUBE VOLT METER SINE WAVE GENERATOR	PLAYBACK LEVEL 400+−20mVrms	

1) Supply sinewave(1KHz, −10dBV) to LINE IN.
2) Connect the vacuum tude volt meter to each LINE OUT.
3) Adjust REC VR so that the each LINE OUT level becomes 400mVrms.
4) Adjust VR4502 for L CH and VR4507 for R CH temporary and record the input signal in SP mode for few time.
5) Playback the just recorded portion and measure playback level whether 400+−20mVrms or not.
6) If not, place the unit in STOP mode and adjust VR4502 and VR4507.
7) Repeat the step 4,5 and 6 to obtain 400+−20mVrms for playback level.

2-4-41. CHROMINANCE PLAYBACK LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP8050 TP8021	VR801 VR5501	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE	BURST:300+-30mVp-p CYAN :1.1+-0.1Vp-p	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect the oscilloscope to TP8050.
4) Adjust VR801 so that the playback burst level to be 300+-30mVp-p.
5) Connect the oscilloscope to TP8021.
6) Adjust VR5501 so that the playback cyan level to be 1.1+-0.1Vp-p.

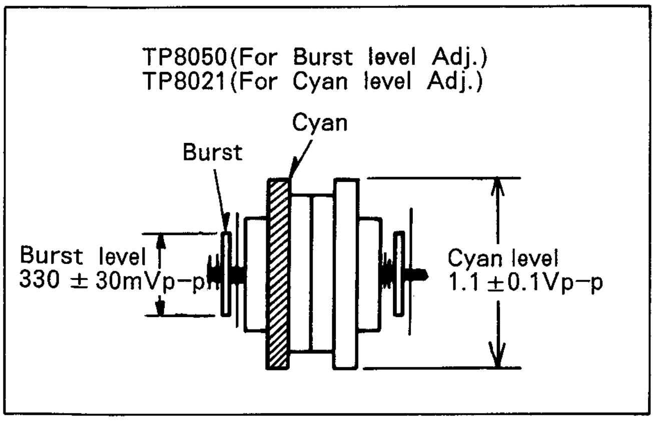

TP8050(For Burst level Adj.)
TP8021(For Cyan level Adj.)
Cyan
Burst
Burst level
330 ± 30mVp-p
Cyan level
1.1 ±0.1Vp-p

Fig. E43

2-4-42. FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3057	VR5004 VR5005	SELF RECORDING AND PLAYBACK (SP/LP)	SWEEP SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE VIDEO SWEEP GENERATOR	NV-V8000EG/EB SP:0+-1dB (90~110%) LP:0+-1dB (90~110%) NV-V8000B SP:-1+-1dB (80~100%) LP:-2+-1dB (70~90%)	

NOTE:
Set the output of video sweep generator as shown in Fig.E44.

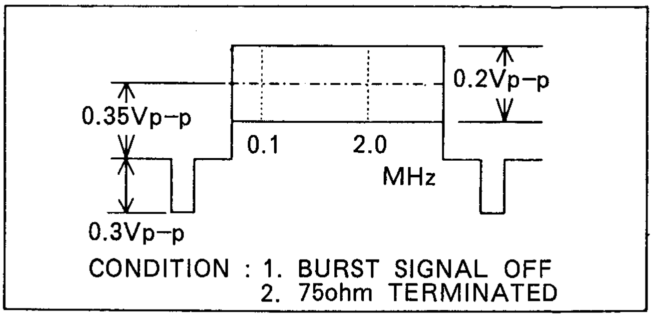

0.35Vp-p
0.2Vp-p
0.1
2.0
MHz
0.3Vp-p
CONDITION : 1. BURST SIGNAL OFF
2. 75ohm TERMINATED

Fig. E44

1) Supply set up video sweep signal to LINE IN and record input signal in SP mode for few time and record in LP mode also few time.
2) Playback the just recorded portion in SP mode.
3) Connect the oscilloscope TP3057.
4) Adjust VR5004 so that the ratio of 0.1MHz level and 2MHz level (A:B) to be 1:1+-0.1(90%~110%) for NV-V8000EG/EB, 1:0.9+-0.1(80%~100%) for NV-V8000B.
5) Playback the just recorded portion in LP mode.
6) Adjust VR5005 so that the ratio of 0.1MHz level and 2MHz level (A:B) to be 1:1+-0.1(90%~110%) for NV-V8000EG/EB, 1:0.8+-0.1(70%~90%) for NV-V8000B.

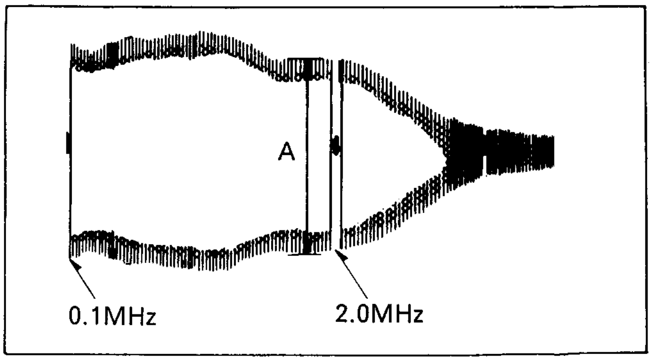


Fig. E45

AUDIO Section

2-4-43. E-E LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
LINE OUT	VR4512	STOP	SINE WAVE (1KHz,-10dB) (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
	VACUUM TUBE VOLT METER SINE WAVE GENERATOR	-8+-0.5dBV (400+-20mVrms)	

2-4-39. TBC DIGITAL LUMINANCE LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3021	VR3001	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	LUMINANCE LEVEL IS THE SAME WITH TBC SW ON AND OFF	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect the oscilloscope to TP3021.
4) Measure luminance level when TBC SW off.
5) Turn TBC SW to on and adjust VR3001 so that luminance level to be (TBC SW off luminance level) +-0.1Vp-p.

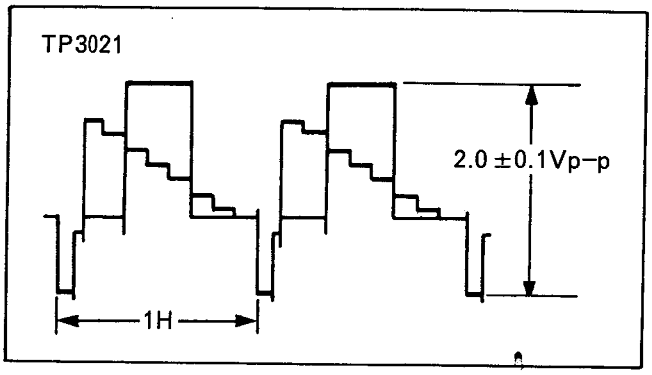
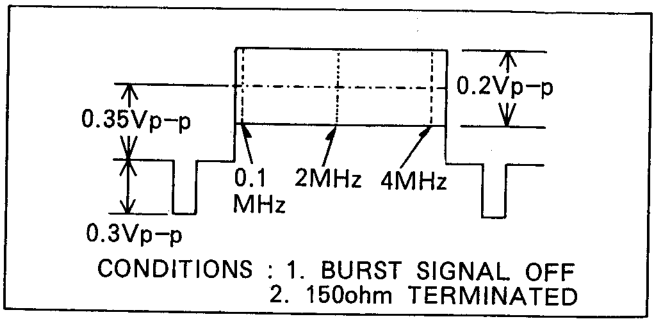


Fig. E39

2-4-40. S-VHS FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3057	VR5003	SELF RECORDING AND PLAYBACK (SP)	SWEEP SIGNAL (S-VIDEO-IN)
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE VIDEO SWEEP GENERATOR	NV-V8000EG/EB A:B=5:3.0+-0.2 NV-V8000B A:B=5:2.5+-0.2	

NOTE:
Set the output of video sweep generator as shown in Fig.E40.


0.35Vp-p
0.3Vp-p
0.2Vp-p
0.1 MHz
2MHz
4MHz

CONDITIONS : 1. BURST SIGNAL OFF
2. 150ohm TERMINATED

Fig. E40

1) Supply set up video sweep signal to S-VIDEO-IN as shown in Fig.E41.

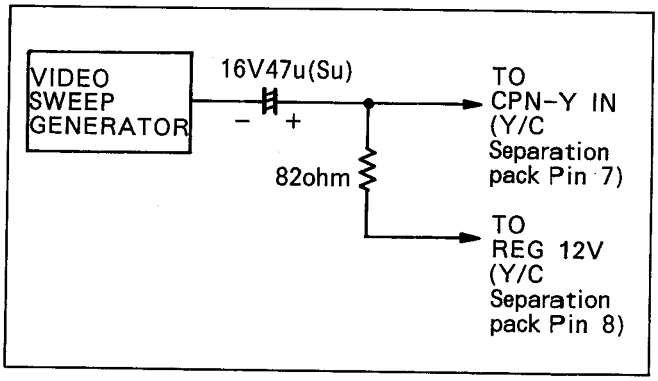

VIDEO SWEEP GENERATOR
16V47u(Su)
-
+
82ohm
TO CPN-Y IN (Y/C Separation pack Pin 7)
TO REG 12V (Y/C Separation pack Pin 8)

Fig. E41

2) Record the input signal in SP mode for few time.
3) Playback the just recorded portion.
4) Connect the oscilloscope to TP3057.
5) Adjust VR5003 so that the ratio of 0.1MHz level and 4MHz level(A:B) to be 5:3.0+-0.2 for NV-V8000EG/EB, 5:2.5+-0.2 for NV-V8000B. (Measure wide amplitude channel on 4MHz)

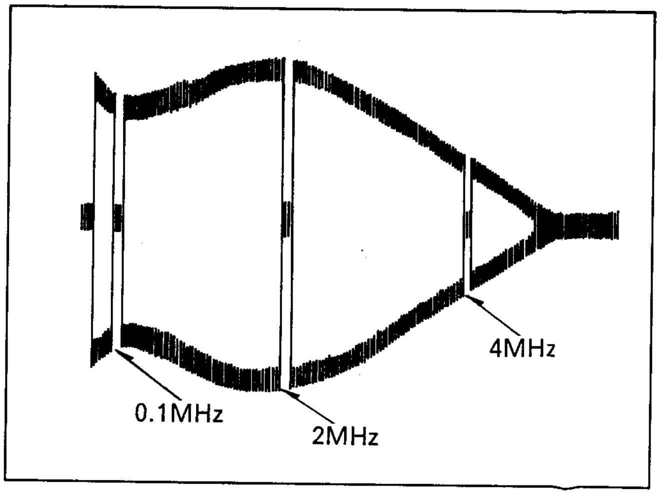


Fig. E42

2-4-36. VHS RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR5006	RECORDING (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE 10:1 PROBE	110+-5mVp-p	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode.
2) Connect the oscilloscope to TP507(HOT) and TP508(GND).
3) Adjust VR5006 so that the luminance recording current to be 110+-5mVp-p.

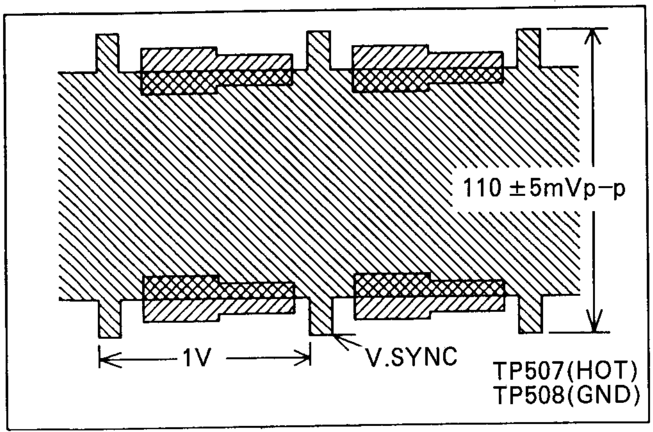


Fig. E36

2-4-37. VHS PLAYBACK LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3021	VR3002	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	2.0+-0.1Vp-p	

NOTE:
S-VHS SW should be off.

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect the oscilloscope to TP3021.
4) Adjust VR3002 so that the luminance level to be 2.0+-0.1Vp-p.

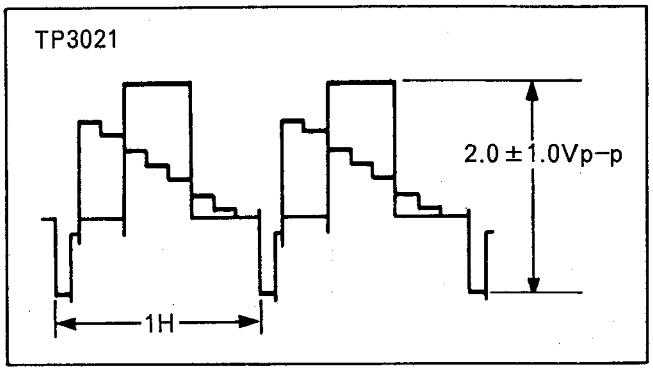


Fig. E37

2-4-38. S-VHS PLAYBACK LEVEL ADJUSTMENT 2

TP	ADJ.	MODE	INPUT
TP3021	VR302	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE	2.0+-0.1Vp-p	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect the oscilloscope to TP3021.
4) Adjust VR302 so that the luminance level to be 2.0+-0.1Vp-p.

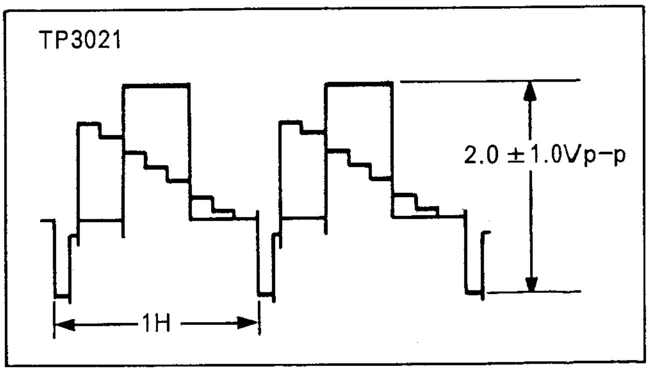


Fig. E38

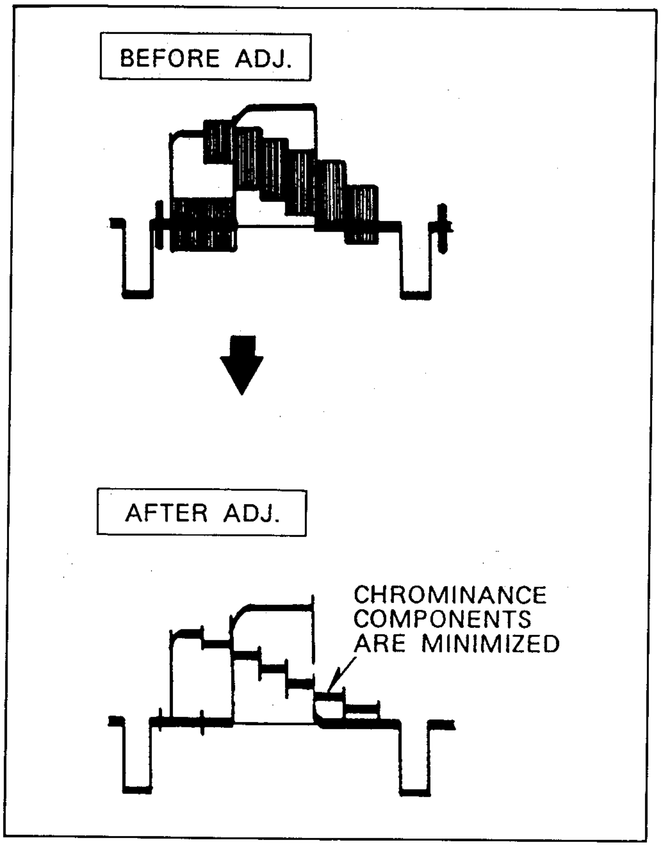

BEFORE ADJ.
AFTER ADJ.
CHROMINANCE COMPONENTS ARE MINIMIZED

Fig. E33

2-4-34. YNR OUTPUT LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3051	VR303	STOP	COLOUR BAR (S-VHS-IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE	800+-20mVp-p	

1) Supply Y/C separated colour bar signal to S-VIDEO-IN.
2) Connect the oscilloscope to TP3501.
3) Adjust VR303 so that the luminance level to be 800+-20mVp-p.

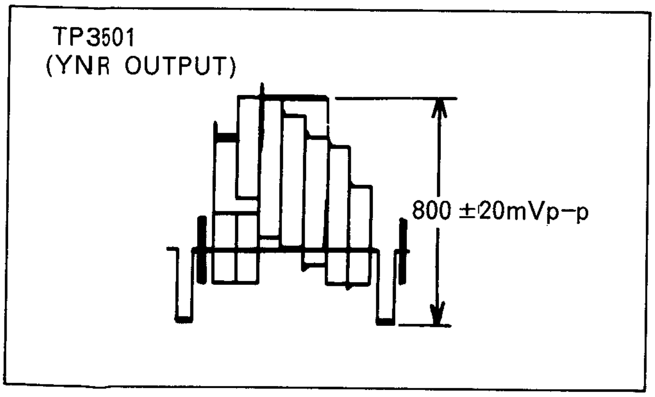

TP3501
(YNR OUTPUT)
800 ±20mVp-p

Fig. E34

2-4-35. S-VHS RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR501 VR502	RECORDING (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE 10:1 PROBE	CHROMA : 28+-2mVp-p LUMINANCE: 120+-5mVp-p	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode.
2) Supply +5V to Pin 6 of Lumi.& Chro. pack C.B.A. to reduce luminance component.
3) Connect the oscilloscope to TP507(HOT) and TP508(GND).
4) Adjust VR502 so that the chrominance recording current to be 28+-2mVp-p.
5) Remove original circuit on Pin 6 of Lumi.& Chro. pack C.B.A. to obtain luminance component.
6) Adjust VR501 so that the luminance recording current to be 120+-5mVp-p.

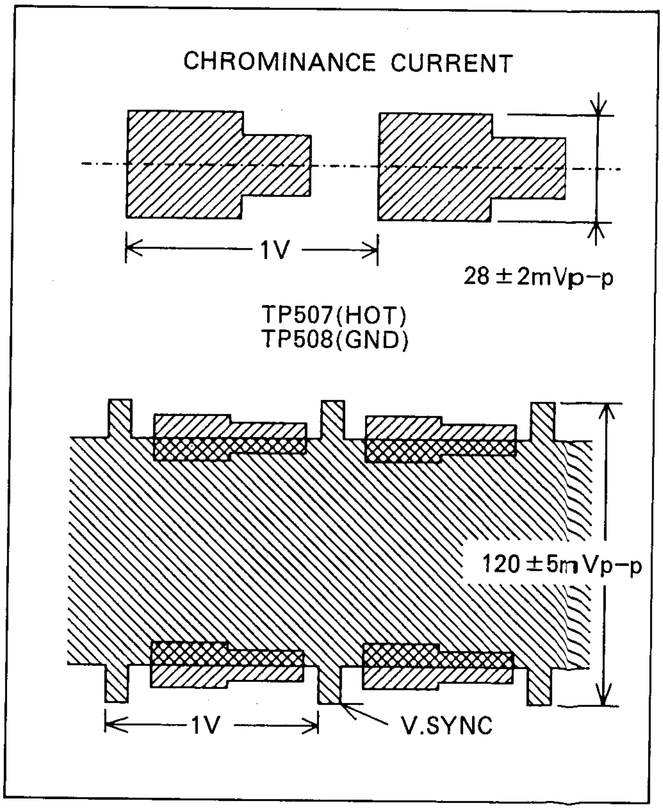

CHROMINANCE CURRENT
1V
28±2mVp-p
TP507(HOT)
TP508(GND)
120±5mVp-p
1V
V.SYNC

Fig. E35

2-4-31. JUMP DELAY LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3021	VR3501	SELF RECORDING AND CUE (LP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	NO FLICKER	

1) Supply colour bar signal to LINE IN and record the input signal in LP mode for few time.
2) Playback the just recorded portion and place the unit in CUE mode.
3) Connect the oscilloscope to TP3021.
4) Adjust VR3501 so that flicker of white portion disappears.

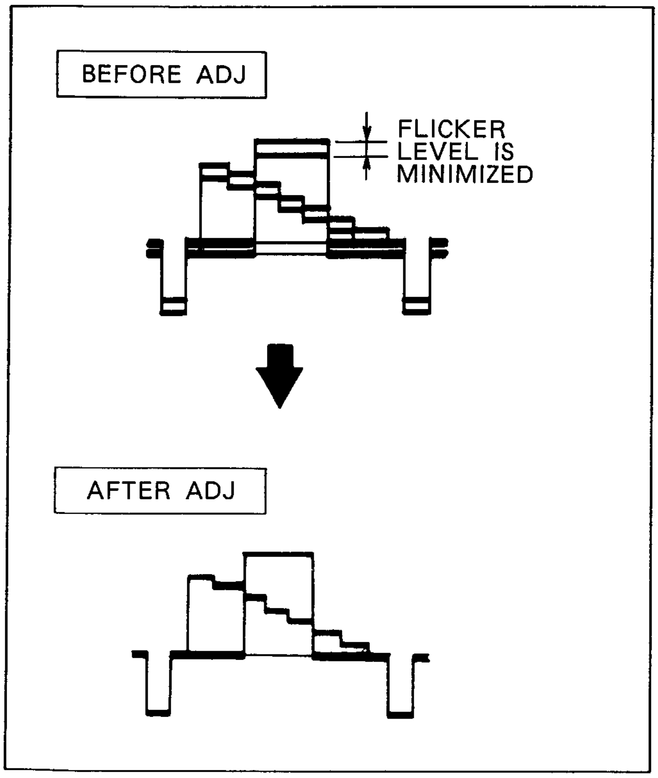


Fig. E31

2-4-32. CHROMA DELAY LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3021	VR8052 VR8053	SELF RECORDING STILL AND DOUBLE SPEED P.B. (LP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	NO FLICKER	

1) Supply colour bar signal to LINE IN and record the input signal in LP mode for few time.
2) Playback the just recorded portion and place the unit in STILL mode.
3) Connect the oscilloscope to TP8021.
4) Adjust VR8502 so that the flicker of cyan portion disappears.
5) Place the unit in double speed playback mode.
6) Adjust VR8503 so that the flicker of cyan portion disappears.

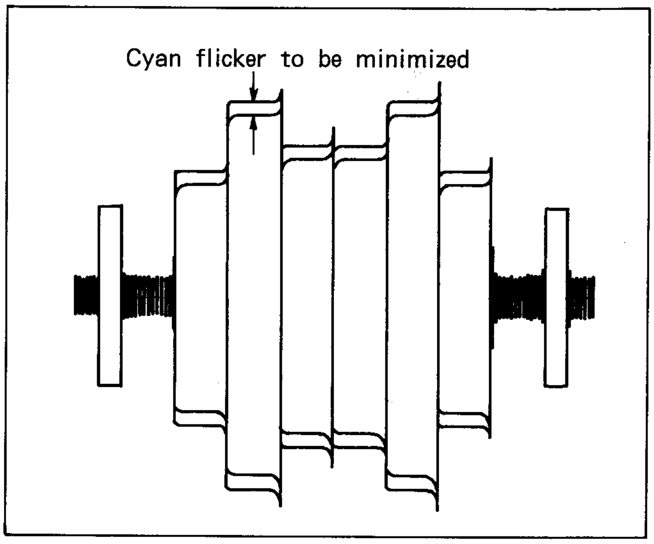


Fig. E32

2-4-33. LUMINANCE SEPARATION ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3021	VR3704 VR3705	RECORDING (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	MINIMUM RESIDUAL CHROMINANCE	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode.
2) Connect the oscilloscope to TP3021.
3) Adjust VR3704 and VR3705 mutually so that residual chrominance component to be minimized.
4) Confirm luminance level whether 2.0+-0.2Vp-p or not. If not, Adjust VR3709 so that luminance level to be 2.0+-0.2Vp-p.

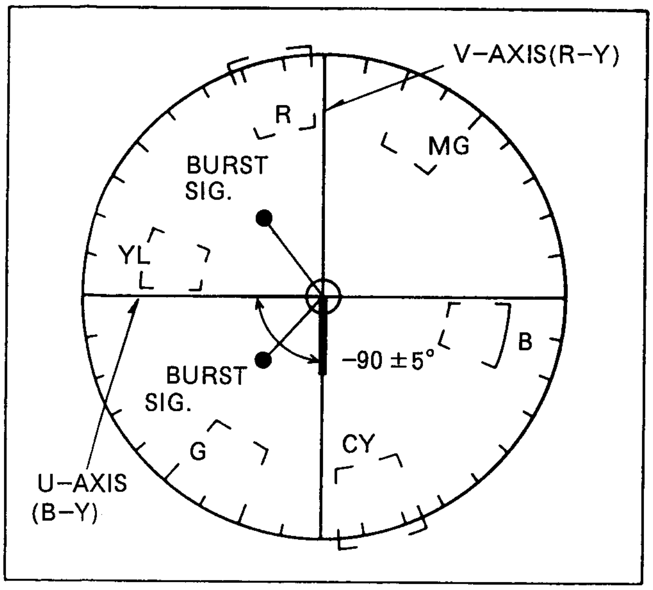

V-AXIS(R-Y)
R
MG
BURST
SIG.
YL
B
-90 ±5°
BURST
SIG.
G
CY
U-AXIS
(B-Y)

Fig. E27

2-4-29. SYNC NR ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3402 TP3403	VR3401 VR3402 VR3403	STOP	SYNC SIGNAL (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE VIDEO SWEEP GENERA-TOR	I(PK3401-1)-(TP3402)I ≦10mVp-p I(PK3401-3)-(TP3403)I ≦10mVp-p I(PK3401 PD)-(TP3401 SYNC)I ≦ 20mVp-p	

NOTE:
Set the OUTPUT OF Video sweep generator as shown in Fig.E28.

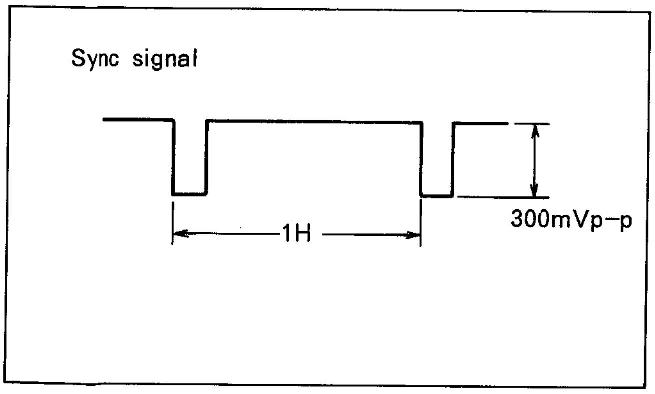

Sync signal
1H
300mVp-p

Fig. E28

1) Supply set up signal to LINE IN.
2) Connect the oscilloscope to TP3402 and Pin 1 of PK3401.
3) Adjust VR3402 so that the both waveform level to be same.
4) Connect the oscilloscope to TP3403 and Pin 3 of PK3401.
5) Adjust VR3403 so that the both waveform level to be same.

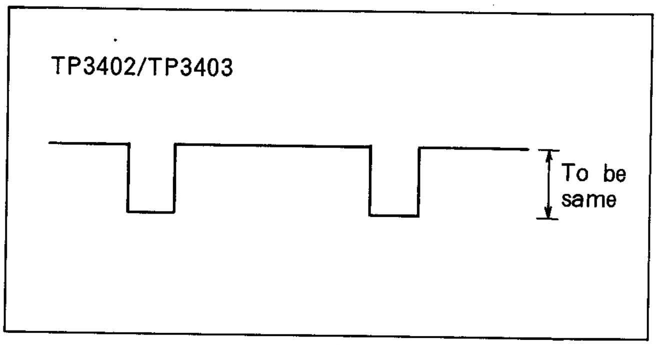

TP3402/TP3403
To be
same

Fig. E29

2-4-30. JUMP VCO FREE RUN ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC3503-10	VR3502	STOP	LINE IN TERMINAL SHORT
TAPE	**M. EQ.**	**SPEC.**	
	FREQUENCY COUNTER 10:1 PROBE	32.50+-0.3KHz	

NOTE:
Connect the amplifire as shown in Fig. E30 when connecting frequency counter.

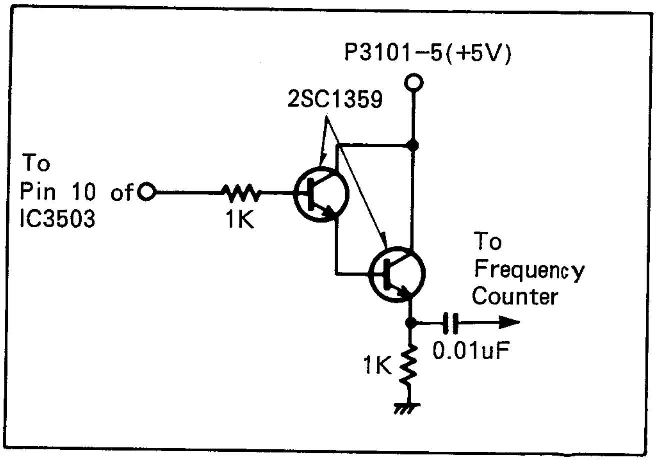

P3101-5(+5V)
2SC1359
To
Pin 10 of
IC3503
1K
To
Frequency
Counter
0.01uF
1K

Fig. E30

1) Connect the frequency counter to Pin 10 of IC3503 via amplifire as shown in Fig.E30.
2) Adjust VR3502 so that the reading of frequency counter to be 32.50+-0.3KHz.

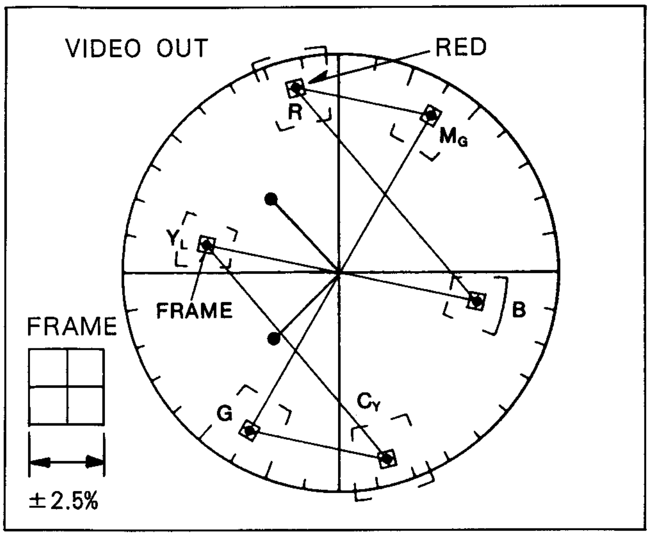


Fig. E24

2-4-26. TBC DIGITAL CHROMINANCE LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3002	VR9004	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	VECTOR-SCOPE	TBC ON AND OFF BURST LEVEL BECOMES SAME	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Adjust GAIN VR on vectorscope so that the burst vector gain to be 75% when TBC SW off.
4) Turn on the TBC SW and adjust VR9004 so that the burst vector gain to be same as the TBC SW off condition(75%).

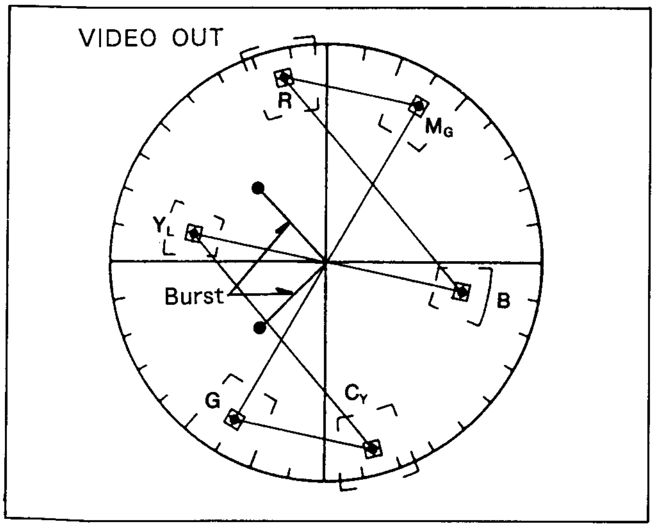


Fig. E25

NOTE:
Confirm TBC R-Y LEVEL AND TBC DIGITAL CHROMINANCE LEVEL Adjustments mutually when them adjust.

2-4-27. SECAM KILLER ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC851-11	T851	RECORDING (SP)	SECAM COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	MAXIMUM "A" PORTION	

1) Supply SECAM colour bar to LINE IN.
2) Place the unit in SP recording mode.
3) Connect the oscilloscope to Pin 11 of IC851.
4) Adjust T851 so that the portion A of waveform to be maximum.

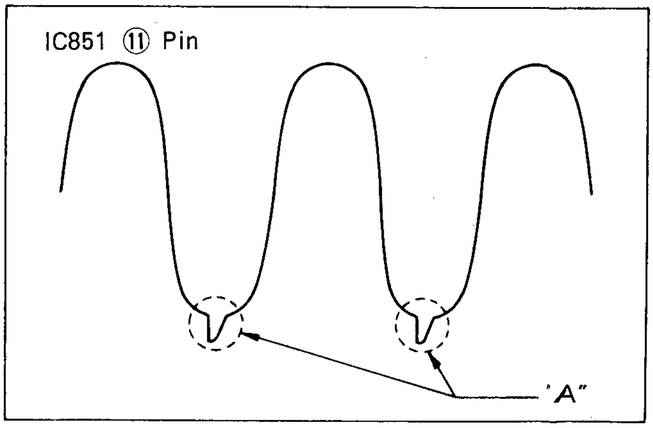


Fig. E26

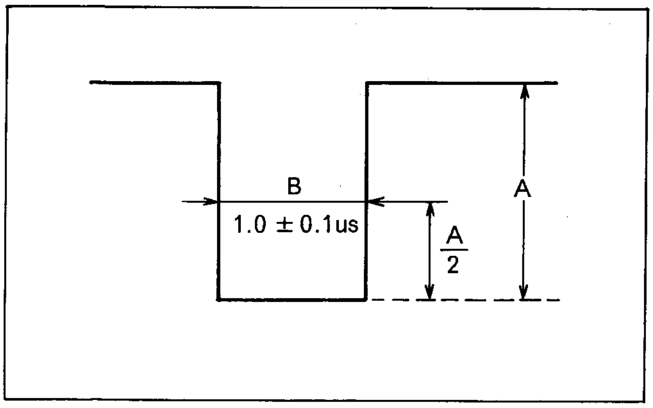
2-4-28. PILOT BURST PHASE ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC801-15	C833	STOP	COLOUR BAR (S-VIDEO -IN)
TAPE	**M. EQ.**	**SPEC.**	
EJECT	VECTOR-SCOPE	-95+-5°	

NOTE:
(1) S-VHS SW should be ON.
(2) Connect jumper wire between Pin 5 of IC801 and GND.
(3) Add DC 2.5V to Pin 37 of IC801.
(4) Supply 4.43MHz(Pin 35 of Lumi.& Chroma PACK C.B.A.) to vectorscope EXT. REF terminal.

1) Supply Y/C separated colour bar signal to S-VIDEO-IN.
2) Adjust C833 so that the pilot burst phase comes -90+-5° as shown in Fig.E27.

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Play the just recorded portion.
3) Connect the oscilloscope to TP9001.
4) Adjust VR9002 so that the noise gate width "B" to be 1.0+−0.1us.



2–4–23. TBC SYNC LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
P9001–1	VR9001	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	B/A=43+−2%	

NOTE:
TBC SW should be ON.

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect the oscilloscope to Pin 1 of P9001.
4) Adjust VR9001 so that the ratio of video and sync "B/A" to be 43+−2%.

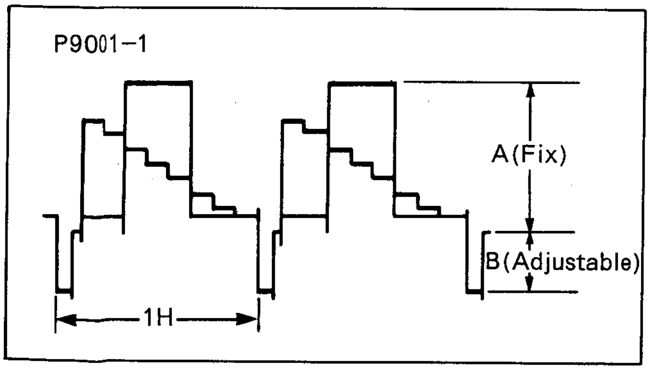


Fig. E22

2–4–24. TBC WHITE BALANCE ADJUSTMENT

TP	ADJ.	MODE	INPUT
P9001–5	VR9005 VR9006	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	MINIMUM AC COMPONENT ON WHITE PORTION	

NOTE:
TBC SW should be ON.

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect the oscilloscope to Pin 5 of P9001.
4) Adjust VR9005 and VR9006 mutually so that the signal of white portion to be minimized.

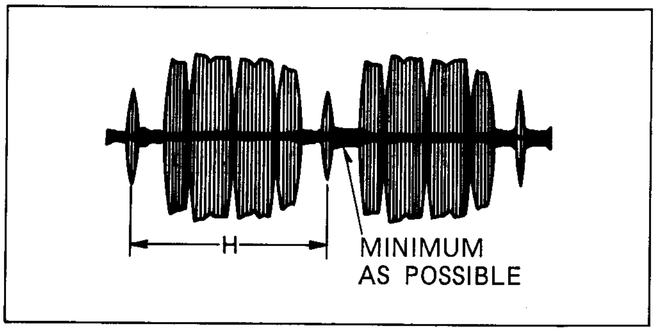


Fig. E23

2–4–25. TBC R–Y LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
LINE OUT	VR9003	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	VECTOR–SCOPE	TBC ON AND OFF RED VECTOR PHASE DIFFERENCE IS +−3'	

1) Supply colour bar signal to LINE IN and record the input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect jumper wire between TP3011 and GND.
4) Confirm the RED vector phase when TBC SW off.
5) Turn on the TBC SW and adjust VR9003 so that the red vector comes +−3° compare with TBC SW off condition.

2–4–19. DIGITAL TRACKING GAIN ADJUSTMENT

TP	ADJ.	MODE	INPUT
HQ PACK PIN–8	VR5003	PLAYBACK	SINE WAVE (4MHz, 200mVp–p) TO HQ PACK PIN–7
TAPE	**M. EQ.**	**SPEC.**	
ALIGNMENT TAPE (VFJ8125 H3F)	DIGITAL VOLT METER/SINE WAVE GENERAT–OR	3.1+–0.1Vp–p	

NOTE:
Make open circuit on Pin 6 of P3001.
(RF CHROMA)

1) Connect the sinewave generator to Pin 7 of HQ pack C.B.A.
2) Supply 4MHz by connected generator and adjust the amplitude to sinewave so that it is 200mVp–p at Pin 7 of HQ pack C.B.A.
3) Playback the alignment tape.
4) Connect the digital volt meter to Pin 8 of HQ pack C.B.A.
5) Adjust VR5003 so that the voltage on Pin 8 of HQ pack C.B.A. to be 3.1+–0.1Vp–p.

2–4–20. H–OSC ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3601	VR3602	STOP	
TAPE	**M. EQ.**	**SPEC.**	
	FREQUENCY COUNTER	15625+–100Hz	

NOTE:
Connect the amplifire as shown in Fig.E17 when connecting frequency counter.

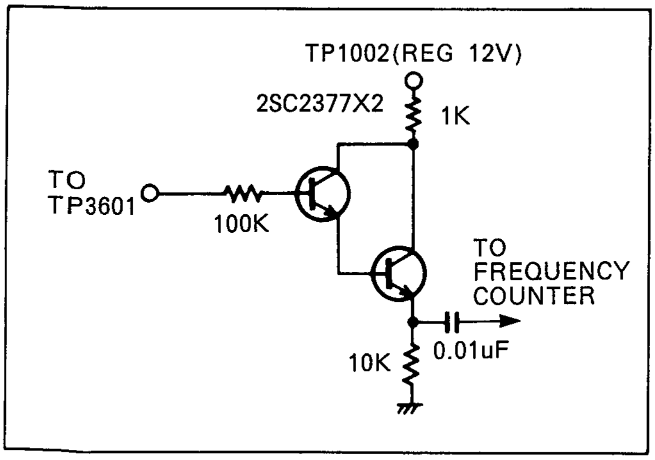


Fig. E17

1) Connect the frequency counter to TP3601 via amplifire as shown in Fig.E17.
2) Adjust VR3602 so that the reading of frequency counter to be 15625+–100Hz.

2–4–21. MUTING FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC3854–4	VR3851	STOP	
TAPE	**M. EQ.**	**SPEC.**	
	FREQUENCY COUNTER	15625+–50Hz	

NOTE:
Connect the amplifire as shown in Fig.E19 when connecting frequency counter.

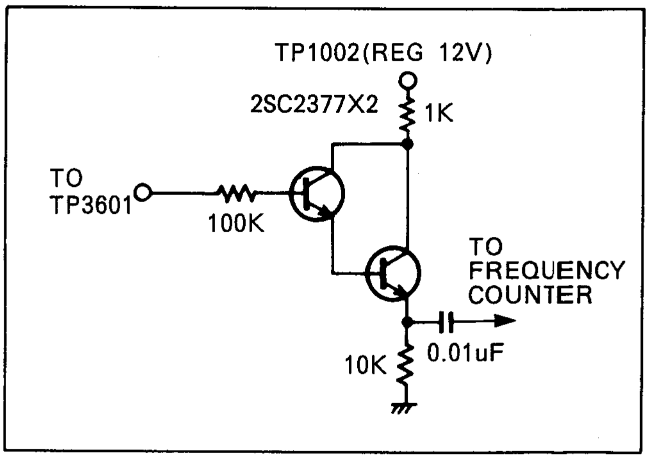


Fig. E19

1) Connect the frequency counter to Pin 4 of IC3854 via amplifire as shown in Fig.E19.
2) Adjust VR3851 so that the reading of frequency counter to be 15625+–50Hz.

2–4–22. TBC NOISE GATE ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP9001	VR9002	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	B=1.0+–0.1us	

NOTE:
Connect the capacitor(3900pF) between Pin 2 of IC303 and GND on measuring step (Item 4) to remove noise components.

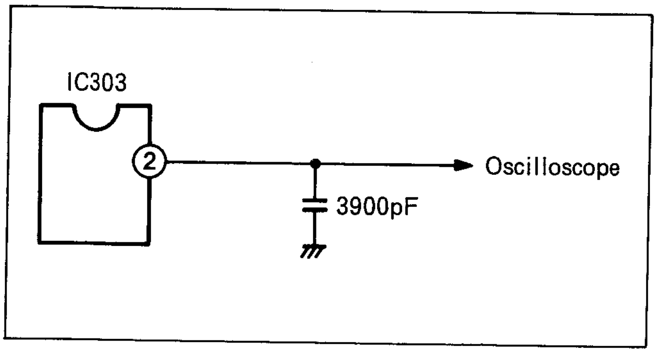


Fig. E12

1) Supply Y/C separated colour bar to S–VIDEO IN and record input signal in SP mode for few time.
2) Playback just recorded portion.
3) Connect the oscilloscope to Pin 2 of IC303.
4) Adjust VR301 so that the luminance level to be 400+–10mVp–p.

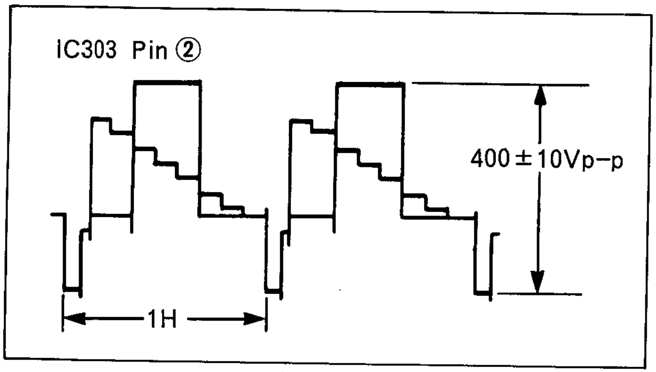


Fig. E13

2–4–17. CHROMINANCE RECURSIVE ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
IC3301–7	VR8301 VR8302	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	MINIMUM WAVEFORM	

1) Supply colour bar signal to LINE IN and record input signal in SP mode for few time.
2) Playback the just recorded portion.
3) Connect the oscilloscope to Pin 7 of IC3301.
4) Adjust VR8301 and VR8302 mutually so that the chrominance amplitude to be minimum.
5) Confirm this adjustment after complete recording current adjustment.

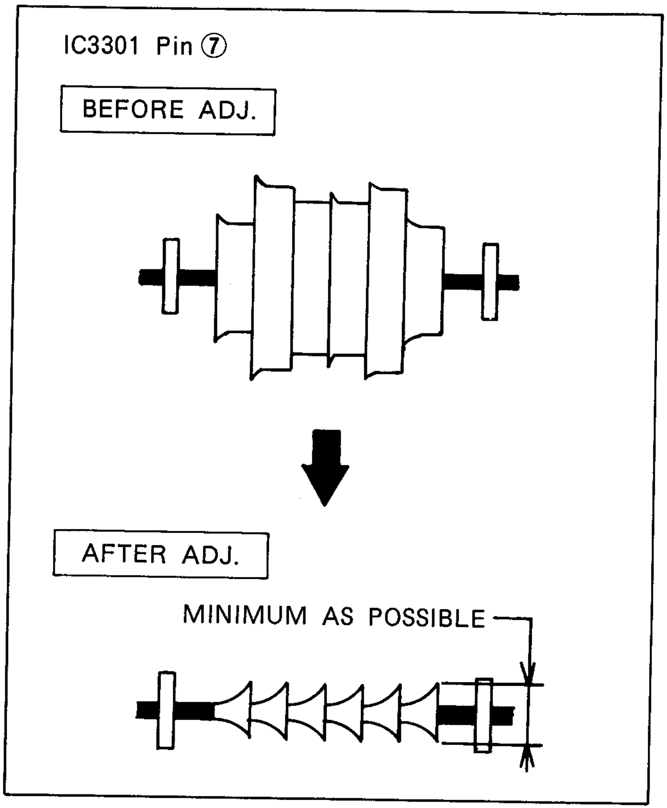


Fig. E14

2–4–18. SUPER LIMITER ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
HQ PACK PIN–13	VR5001	PLAYBACK	SINE WAVE (7MHz, 200mVp–p) TO TP5001
TAPE	**M. EQ.**	**SPEC.**	
S–VHS BLANK TAPE	OSCILLO–SCOPE SINE WAVE GENERAT–OR	150+–10mVp–p	

NOTE:
Supply 5V to base of Q505 via 100ohm resistor.

1) Connect the sinewave generator to TP5001.
2) Supply 7MHz by connected generator and adjust the amplitude of sinewave so that it is 200mVp–p at TP5001.
3) Playback S–VHS tape. (Prerecorded information is not important)
4) Connect the oscilloscope to Pin 13 of HQ pack C.B.A.
5) Adjust VR5001 so that super limiter level to be 150+–10mVp–p.

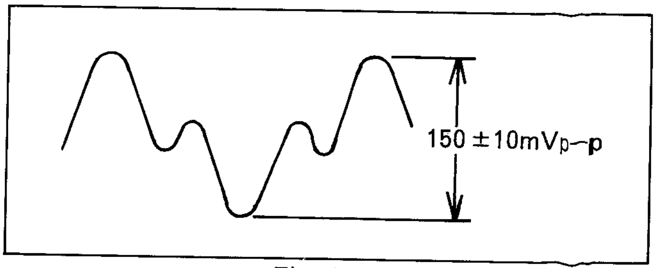


Fig. E15

2-4-14. YNR GAIN ADJUSTMENT

TP	ADJ.	MODE	INPUT
P3301-1 P3301-4	VR3302	STOP(LP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE	WAVEFORM BECOMES SAME LEVEL	

NOTE:
S-VHS SW should be OFF and place the unit in LP mode.

1) Supply colour bar signal to LINE IN.
2) Connect the oscilloscope to Pin 1 and Pin 4 of P3301.
3) Adjust VR3302 so that the luminance level of CH 1 and CH 2 to be same level.

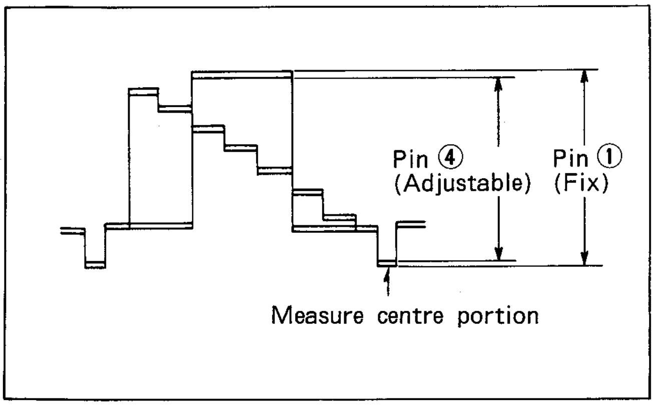


Fig. E9

2-4-15. YNR BALANCE ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC3001-21	VR3301	STOP(LP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE	MINIMUM AC COMPONENT	

NOTE:
(1) Connect the capacitor(1000pF) between Pin 21 of IC3301 and GND to remove noise components.

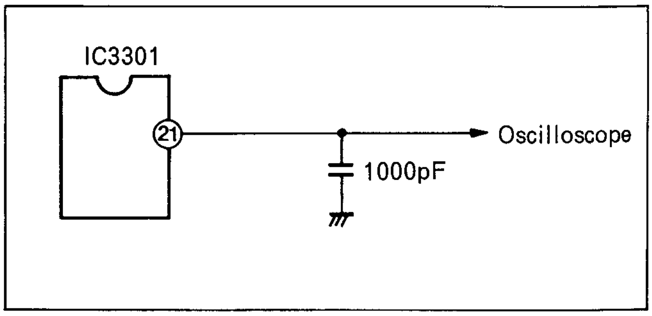


Fig. E10

(2) Place the unit in LP mode.

1) Supply colour bar signal to LINE IN.
2) Connect the oscilloscope to Pin 21 of IC3301.
3) Adjust VR3301 so that YNR balance level to be minimized.

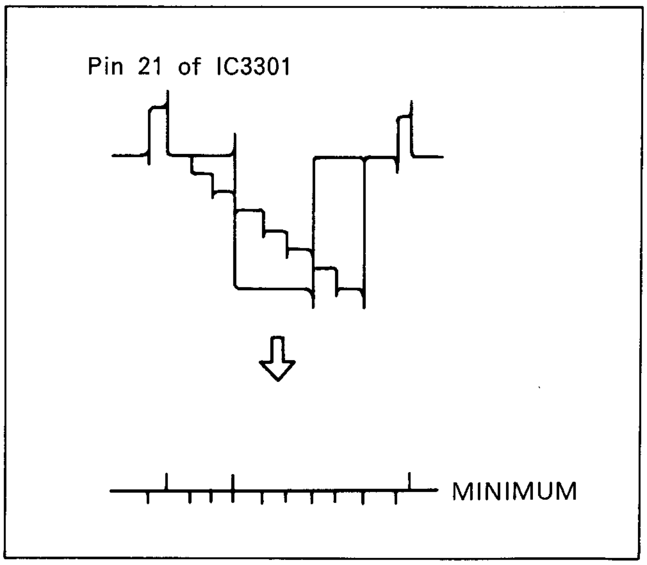


Fig. E11

2-4-16. S-VHS PLAYBACK LEVEL ADJUSTMENT 1

TP	ADJ.	MODE	INPUT
IC303-2	VR301	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (S-VIDEO -IN)
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE	400+-10mVp-p	

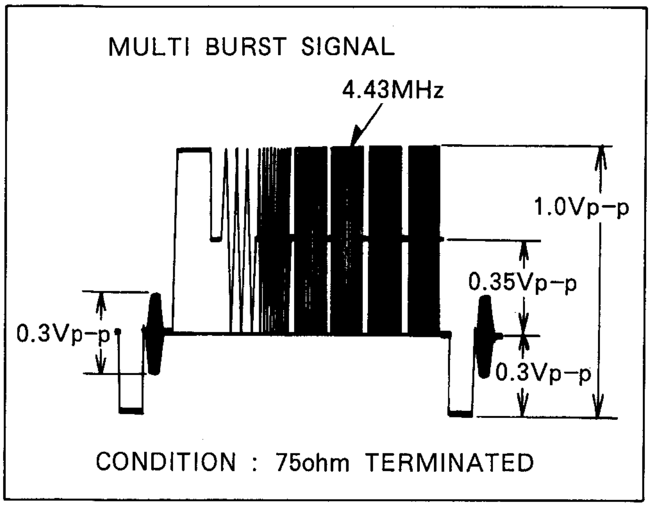

MULTI BURST SIGNAL
4.43MHz
1.0Vp-p
0.35Vp-p
0.3Vp-p
0.3Vp-p
CONDITION : 75ohm TERMINATED

Fig. E5

(2) SW3651 is located on luminance and Chrominance separation C.B.A.

1) Supply Set up multi burst signal to LINE IN.
2) Connect the oscilloscope to TP3701.
3) Set the SW3651 for TEST mode.
4) Adjust VR3702 and VR3706 mutually so that the 4.43MHz multi burst signal to be minimized.
5) Set the SW3651 for NORMAL mode.
6) Adjust VR3703 and VR3707 mutually so that the 4.43MHz multi burst signal to be minimized.

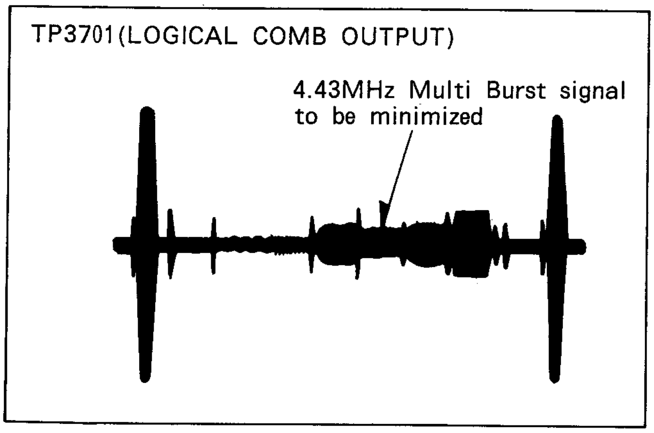

TP3701(LOGICAL COMB OUTPUT)
4.43MHz Multi Burst signal to be minimized

Fig. E6

2-4-12. Y/C SEPARATION LUMINANCE OUTPUT LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3201	VR3709	STOP	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE	2.0+-0.1Vp-p	

1) Supply colour bar signal to LINE IN.
2) Connect the oscilloscope to TP3021.
3) Adjust VR3709 so that the luminance output level to be 2.0+-0.1Vp-p.

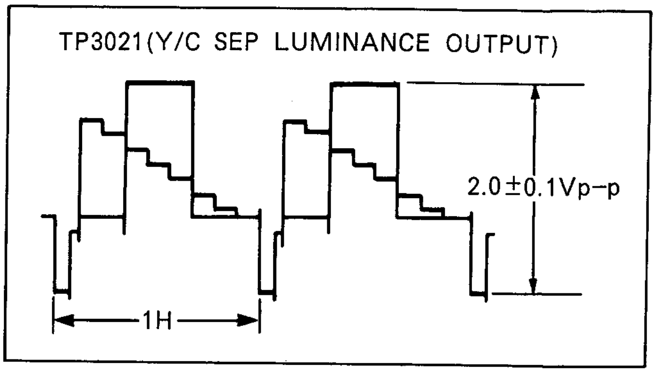

TP3021(Y/C SEP LUMINANCE OUTPUT)
2.0±0.1Vp-p
1H

Fig. E7

2-4-13. Y/C SEPARATION ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3201	VR3704 VR3705	STOP	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE	MINIMUM RESIDUAL CHROMINANCE	

1) Supply colour bar signal to LINE IN.
2) Connect the oscilloscope to TP3021.
3) Adjust VR3704 and VR3705 mutually so that the residual chrominance component to be minimized.

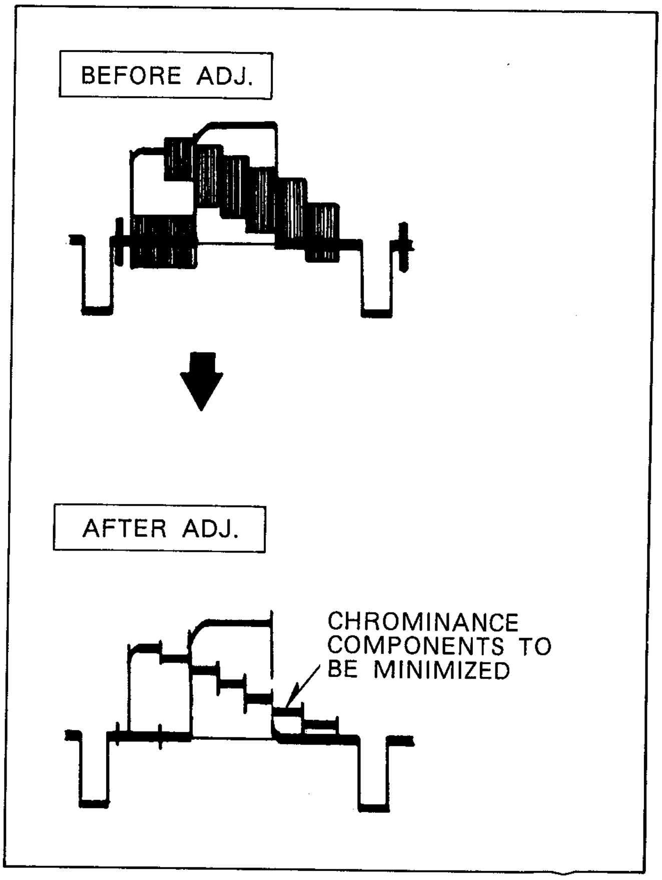
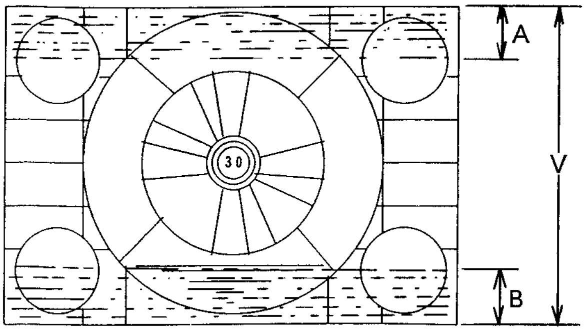

BEFORE ADJ.
AFTER ADJ.
CHROMINANCE COMPONENTS TO BE MINIMIZED

Fig. E8



SPECIFICATION OF NOISE BAND

	FORWARD	REVERSE
SP	$\frac{(A+B)}{H} \leqq \frac{1}{6}$	$\frac{(A+B)}{H} \leqq \frac{1}{6}$
LP	$\frac{(A+B)}{H} \leqq \frac{1}{6}$	$\frac{B}{H} \leqq \frac{1}{3}$ A=0

Fig. E2

VIDEO Section

2–4–9. Y/C SEPARATION AGC OUTPUT LEVEL ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
TP3704	VR3651	STOP	COLOUR BAR (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO–SCOPE	2.0+–0.05Vp–p	

1) Supply colour bar signal to LINE IN.
2) Connect the oscilloscope to TP3704.
3) Adjust VR3651 so that AGC output level to be 2.0+–0.05Vp–p.

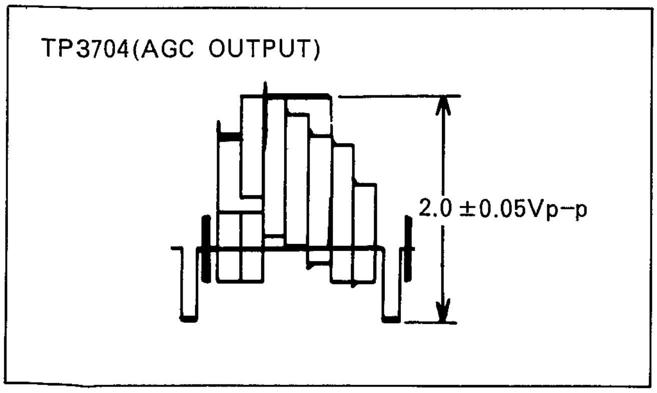


Fig. E3

2–4–10. Y/C SEPARATION CCD INPUT LEVEL ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
TP3703	VR3708	STOP	COLOUR BAR (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO–SCOPE	0.85+–0.05Vp–p	

NOTE:
Connect the capacitor(1000pF) between TP3703 and GND.

1) Supply colour bar signal to LINE IN.
2) Connect the oscilloscope to TP3703.
3) Adjust VR3708 so that CCD input level to be 0.85+–0.05Vp–p.

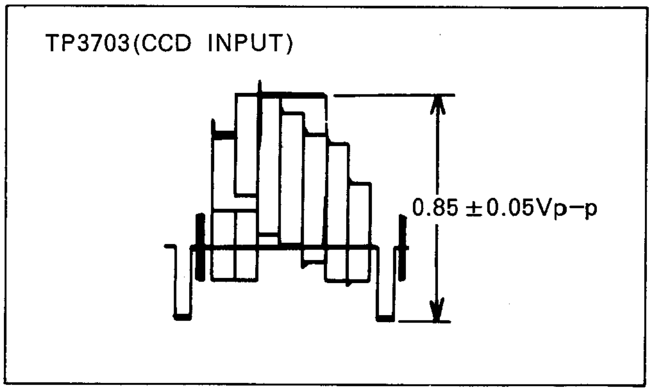


Fig. E4

2–4–11. LOGICAL COMB FILTER PHASE AND GAIN ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
TP3701	VR3702 VR3706 VR3703 VR3707	STOP	MULTI BURST (LINE–IN)
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO–SCOPE	4.43MHz MULTI BURST IS MINIMIZED	

NOTE:
(1)Set up for Multi burst signal.

SERVO Section

2-4-5. SLOW FREE RUN ADJUSTMENT

NOTE:
Place the unit in TEST mode.
(Refer to item 2-3-5)

1) Playback the large reel type tape and place the unit in STILL mode.
2) Connect the frequency counter to TP2015.
3) Connect the jumper wire between TP2026 and GND
4) Adjust VR2013 so that reading of frequency counter to be 453+-15Hz.

TP	ADJ.	MODE	INPUT
TP2015	VR2013	STILL	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE (LARGE REEL TYPE)	FREQUENCY COUNTER	453+-15Hz	

2-4-6. PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2001 TP3507	VR2001	PLAYBACK	
TAPE	**M. EQ.**	**SPEC.**	
ALIGNMENT TAPE (VFJ8125 H3F)	OSCILLO-SCOPE	T=7.5+-0.5H	

1) Playback the alignment tape.
2) Connect the oscilloscope to TP2001 and TP3057.
3) Adjust VR2001 so that phase relation between TP2001 and TP3057 to be 7.0+-0.5H as shown in Fig.E1.

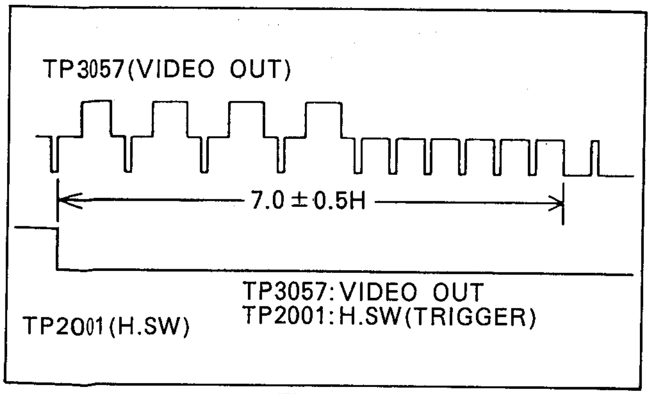


Fig. E1

2-4-7. ARTIFICIAL V-SYNC PHASE ADJUSTMENT

TP	ADJ.	MODE	INPUT
ON THE MONITOR SCREEN	VR2009	SELF RECORDING AND PLAYBACK (SP)	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	TV MONITOR	NO V-DANCING	

1) Record video signal in SP mode for few time.
2) Playback the just recorded portion and place the unit in STILL mode.
3) Adjust VR2009 so that no V-dancing on the monitor TV.

2-4-8. SLOW TRACKING ADJUSTMENT

TP	ADJ.	MODE	INPUT
ON THE MONITOR SCREEN	SP FWD VR2011 SP RVS VR2019 LP FWD VR2006 LP RVS VR2018	SELF RECORDING AND SLOW (SP/LP)	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE (LARGE REEL TYPE)	TV MONITOR	REFER TO PROCEDURE	

NOTE:
Each slow speed is not specified ("SLOW" is indicated on Multi-Function Display)

1) Record video signal in SP mode for few time and then Record video signal in LP mode for few time.
2) Playback the just recorded SP portion and place the unit in forward SLOW mode.
3) Adjust VR2011 so that noise band to be minimized.
4) Place the unit in reverse SLOW mode.
5) Adjust VR2019 so that noise band to be minimized.
6) Playback the just recorded LP portion and place the unit in forward SLOW mode.
7) Adjust VR2006 so that noise band to be minimized.
8) Place the unit in reverse SLOW mode.
9) Adjust VR2018 so that noise band to be minimized.

2-4. ELECTRICAL ADJUSTMENT PROCEDURES

This section provides complete electrical adjustment procedures which maybe required for electronic circuits of VHS/S-VHS Video Cassette Recorder.

2-4-1. TEST AND SERVICE EQUIPMENTS

1. Dual-Trace Oscilloscope. (More than 35MHz)

   Voltage Range :0.005-5V/div
   Frequency Range :DC-35MHz
   Probes :10:1

2. PAL Vectorscope.
3. Frequency Counter.

   Frequency Range :0-10MHz
   Probes :1:1

4. Vacuum Tube Volt Meter. (V.T.V.M.)
5. Digital Volt Meter. (D.V.M.)
6. PAL Video Sweep Generator.
7. Sine Wave Generator.

   Frequency Range :0-10MHz

8. PAL/SECAM Video Pattern Generator.
9. PAL Video Sweep Generator. (with Multi Burst)
10. PAL Alignment Tape. (VFJ8125H3F)
11. Blank Tape.
12. Plastic Tip Driver.
13. Monitor.

2-4-2. PREPARATION

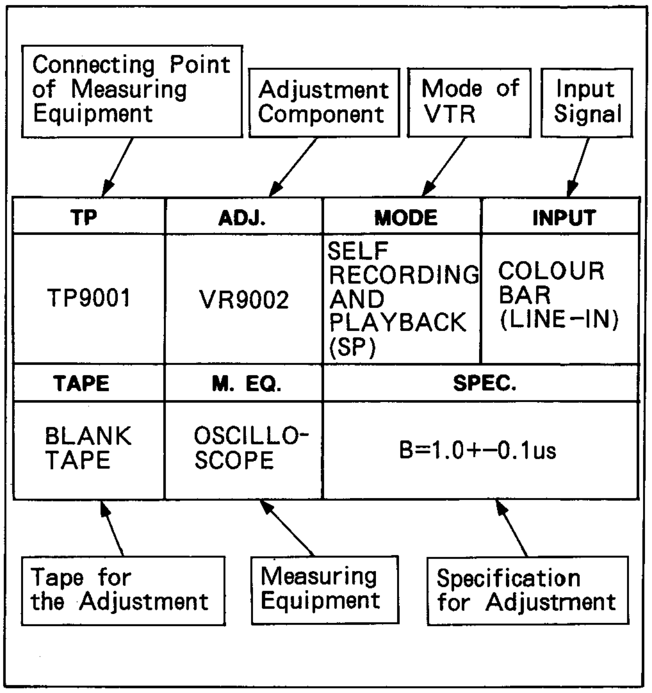
Before adjustments, set each selector as follows when no indication on each procedures.

1. PICTURE VR------------FIX
2. COLOUR LEVEL VR--------FIX
3. Hi-Fi REC LEVEL VR-----FIX
4. PHONES LEVEL VR--------CENTRE
5. LINE OUT/AV OUT--------75ohm TERMINATED
6. S-OUT------------------75ohm TERMINATED
7. SYSTEM SELECT SW-------AUTO
8. EDIT SW----------------OFF
9. Hi-Fi/NORMAL MIX SW---OFF
10. REMOTE MODE------------VTR 1
11. MPX FILTER SW----------OFF
12. TAPE SELECT SW---------E-180
13. S-VHS SW---------------ON
14. FADE SELECT SW---------WHITE
15. BGV SW-----------------OFF
16. TBC SW-----------------OFF
17. SYNCHRO/CAMERA SW------SYNCHRO
18. EURO AV OUT SW---------NOR
19. TEST SIGNAL SW---------OFF

NOTE:
Standard condition of INPUT SELECT

1. LINE/S-VIDEO------LINE
2. FRONT/REAR--------REAR-S-VIDEO/LINE

2-4-3. HOW TO READ THE ADJUSTMENT PROCEDURES



TP	ADJ.	MODE	INPUT
TP9001	VR9002	SELF RECORDING AND PLAYBACK (SP)	COLOUR BAR (LINE-IN)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	B=1.0+-0.1us	

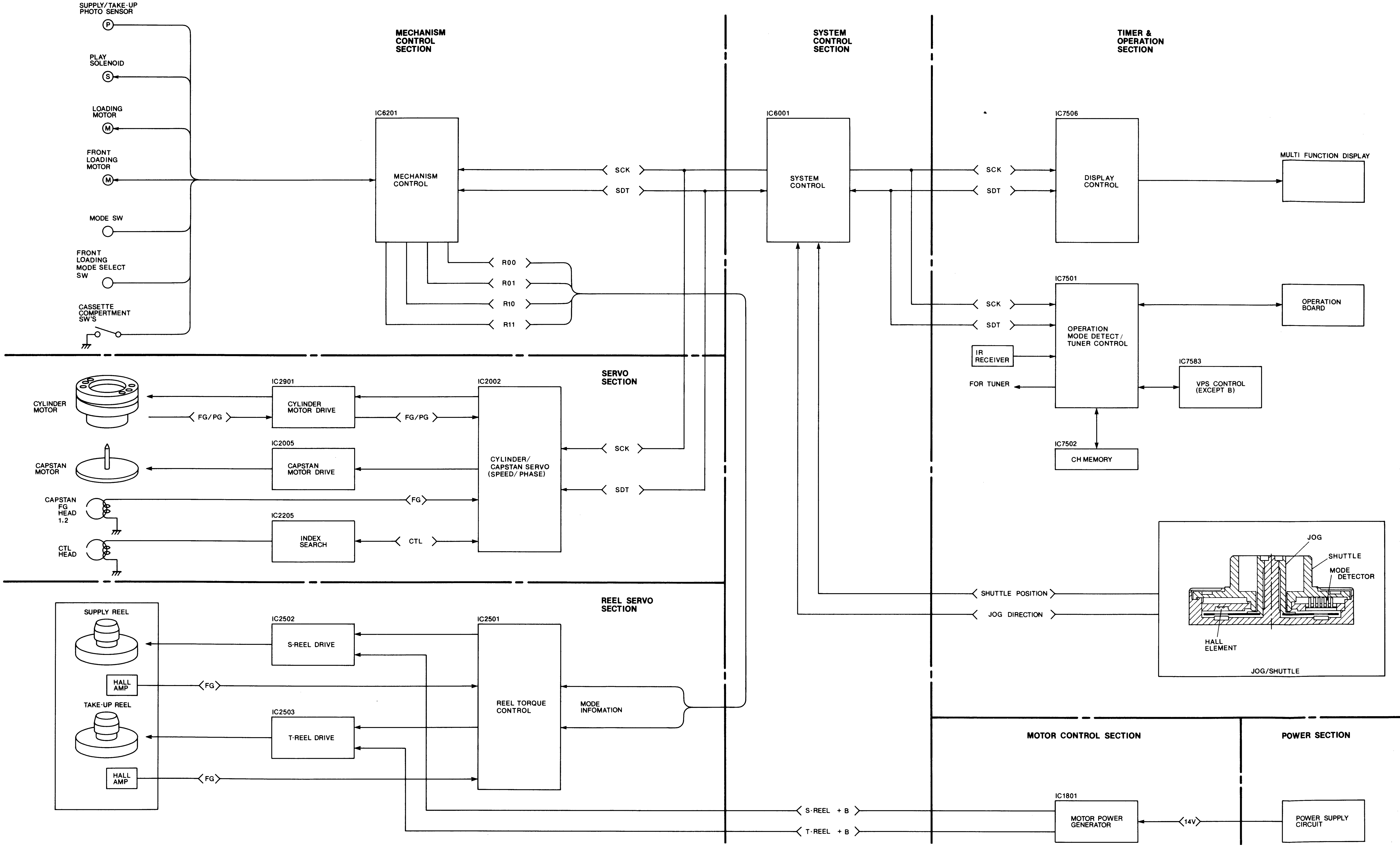
POWER Section

2-4-4. REG. 5V ADJUSTMENT

1) Connect the digital volt meter to Pin 5 of P3101(+) and GND(-).
2) Adjustment VR1001 so that voltage at Pin 5 of P3101 to be 5.10+-0.05V.

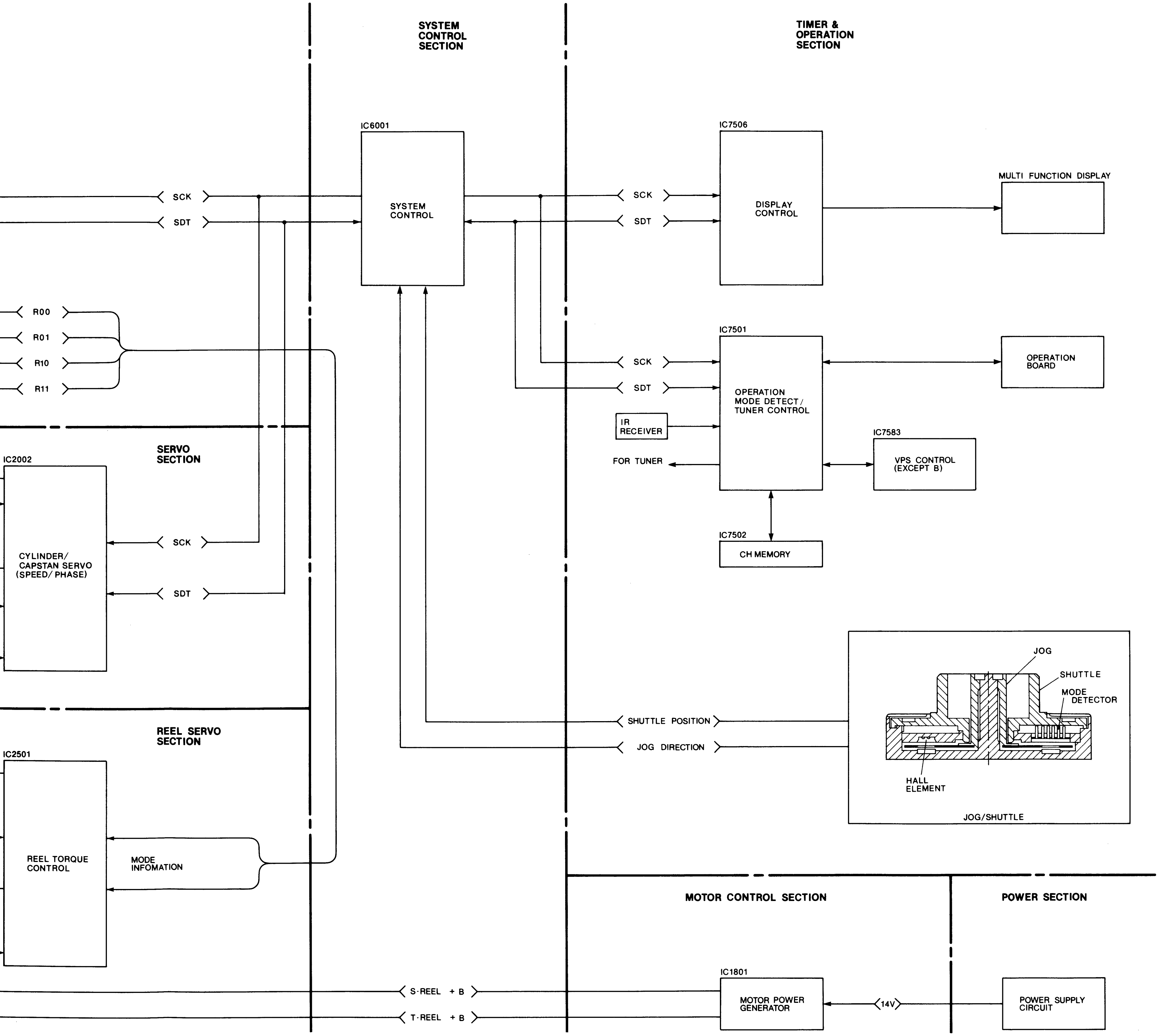
TP	ADJ.	MODE	INPUT
P3101-5	VR1001	STOP	
TAPE	**M. EQ.**	**SPEC.**	
	DIGITAL VOLT METER	5.10+-0.05V	

SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS
3-1. CONTROL & SERVO STAGE OVERALL BLOCK DIAGRAM


SUPPLY/TAKE-UP PHOTO SENSOR
P
PLAY SOLENOID
S
LOADING MOTOR
M
FRONT LOADING MOTOR
M
MODE SW
FRONT LOADING MODE SELECT SW
CASSETTE COMPERTMENT SW'S
MECHANISM CONTROL SECTION
IC6201
MECHANISM CONTROL
SCK
SDT
R00
R01
R10
R11
SYSTEM CONTROL SECTION
IC6001
SYSTEM CONTROL
TIMER & OPERATION SECTION
IC7506
DISPLAY CONTROL
MULTI FUNCTION DISPLAY
IC7501
OPERATION MODE DETECT/ TUNER CONTROL
OPERATION BOARD
IR RECEIVER
FOR TUNER
IC7583
VPS CONTROL (EXCEPT B)
IC7502
CH MEMORY
SERVO SECTION
CYLINDER MOTOR
FG/PG
IC2901
CYLINDER MOTOR DRIVE
IC2002
CYLINDER/ CAPSTAN SERVO (SPEED/ PHASE)
CAPSTAN MOTOR
IC2005
CAPSTAN MOTOR DRIVE
CAPSTAN FG HEAD 1,2
FG
CTL HEAD
IC2205
INDEX SEARCH
CTL
JOG
SHUTTLE
MODE DETECTOR
HALL ELEMENT
JOG/SHUTTLE
SHUTTLE POSITION
JOG DIRECTION
REEL SERVO SECTION
SUPPLY REEL
HALL AMP
TAKE-UP REEL
IC2502
S-REEL DRIVE
IC2503
T-REEL DRIVE
IC2501
REEL TORQUE CONTROL
MODE INFOMATION
S-REEL +B
T-REEL +B
MOTOR CONTROL SECTION
IC1801
MOTOR POWER GENERATOR
14V
POWER SECTION
POWER SUPPLY CIRCUIT

GRAMS

DIAGRAM


SYSTEM CONTROL SECTION
TIMER & OPERATION SECTION
IC6001
SYSTEM CONTROL
IC7506
DISPLAY CONTROL
MULTI FUNCTION DISPLAY
SCK
SDT
R00
R01
R10
R11
IC7501
OPERATION MODE DETECT/ TUNER CONTROL
OPERATION BOARD
IR RECEIVER
FOR TUNER
IC7583
VPS CONTROL (EXCEPT B)
IC7502
CH MEMORY
SERVO SECTION
IC2002
CYLINDER/ CAPSTAN SERVO (SPEED/ PHASE)
REEL SERVO SECTION
IC2501
REEL TORQUE CONTROL
MODE INFOMATION
SHUTTLE POSITION
JOG DIRECTION
JOG
SHUTTLE
MODE DETECTOR
HALL ELEMENT
JOG/SHUTTLE
MOTOR CONTROL SECTION
POWER SECTION
IC1801
MOTOR POWER GENERATOR
POWER SUPPLY CIRCUIT
S-REEL +B
T-REEL +B
14V

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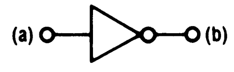</td><td>
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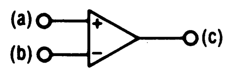</td><td>
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(b)</td><td>(a) > (b)</td><td>(a) < (b)</td></tr>
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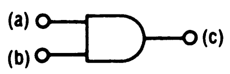</td><td>
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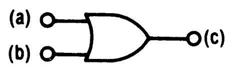</td><td>
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<tr><td>IN</td><td>(a)</td><td>L</td><td>L</td><td>H</td><td>H</td></tr>
<tr><td></td><td>(b)</td><td>L</td><td>H</td><td>L</td><td>H</td></tr>
<tr><td>OUT</td><td>(c)</td><td>L</td><td>H</td><td>H</td><td>H</td></tr>
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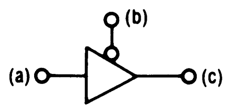
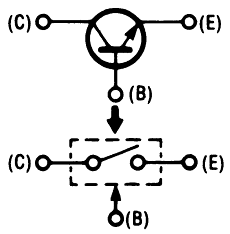
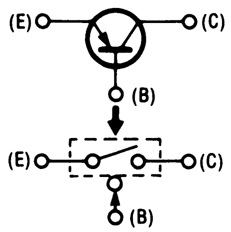
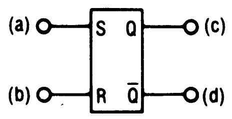
<tr><td>THREE STATES BUFFER
</td><td>
<table>
<tr><td>IN</td><td>(a)</td><td>H</td><td>L</td><td>H or L</td></tr>
<tr><td></td><td>(b)</td><td>L</td><td>L</td><td>H</td></tr>
<tr><td>OUT</td><td>(c)</td><td>H</td><td>L</td><td>※</td></tr>
</table>
※ High Impedance</td></tr>
<tr><td>TR. SW (NPN TYPE)
</td><td>
<table>
<tr><td>BASE</td><td>H</td><td>L</td></tr>
<tr><td>TR. SW</td><td>ON</td><td>OFF</td></tr>
</table></td></tr>
<tr><td>TR. SW (PNP TYPE)
</td><td>
<table>
<tr><td>BASE</td><td>H</td><td>L</td></tr>
<tr><td>TR. SW</td><td>OFF</td><td>ON</td></tr>
</table></td></tr>
<tr><td>R-S TYPE FLIP-FLOP
</td><td>
<table>
<tr><td>IN</td><td>(a)</td><td>L</td><td>L</td><td>⎍</td></tr>
<tr><td></td><td>(b)</td><td>L</td><td>⎍</td><td>L</td></tr>
<tr><td>OUT</td><td>(c)</td><td>※</td><td>L</td><td>H</td></tr>
<tr><td></td><td>(d)</td><td>◆</td><td>H</td><td>L</td></tr>
</table>
※ Initial condition is maintained.
◆ Initial condition is reversed.</td></tr>
</table>

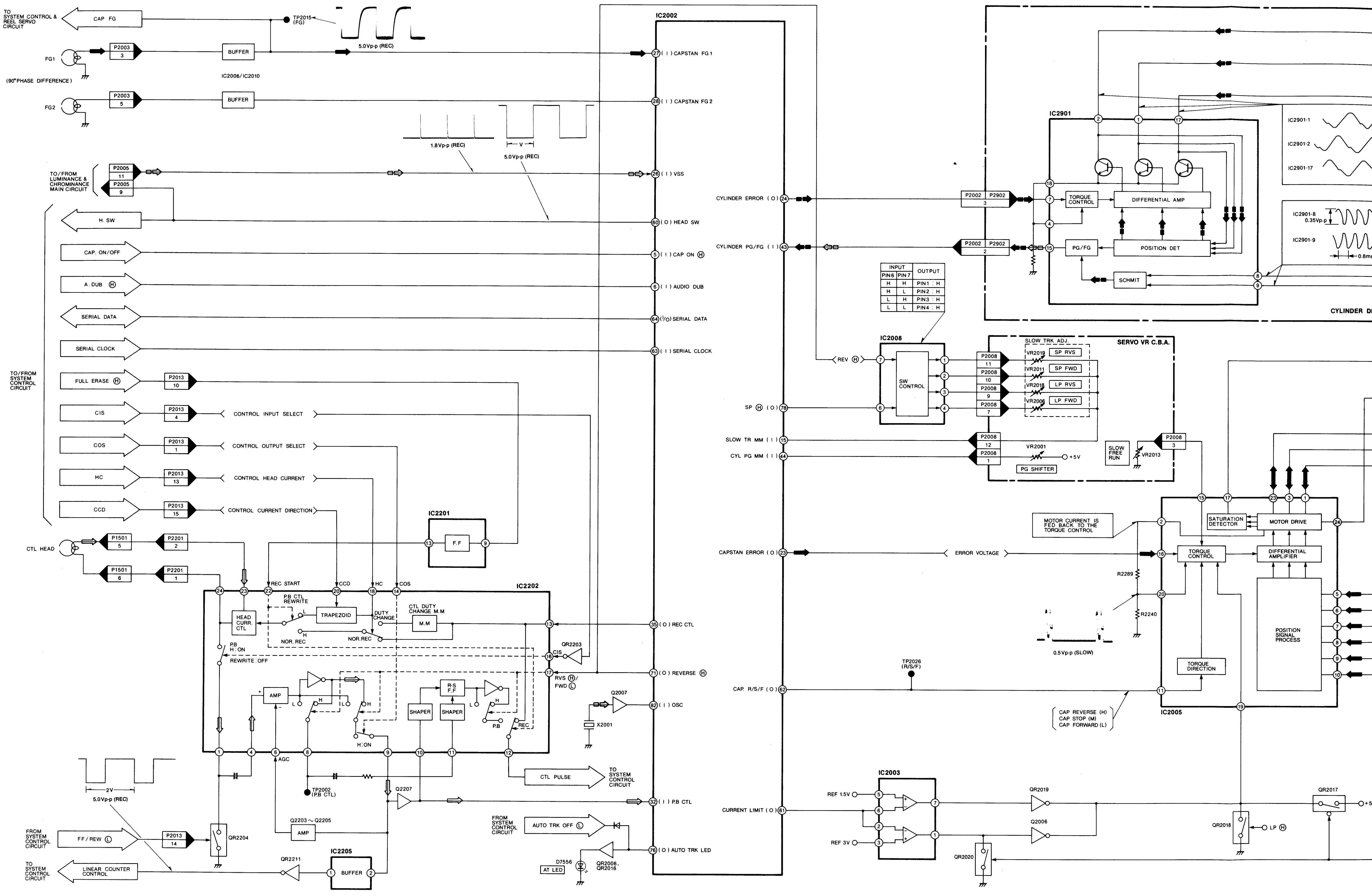
Next Page:
SERVO Section

3-2. SERVO BLOCK DIAGRAM

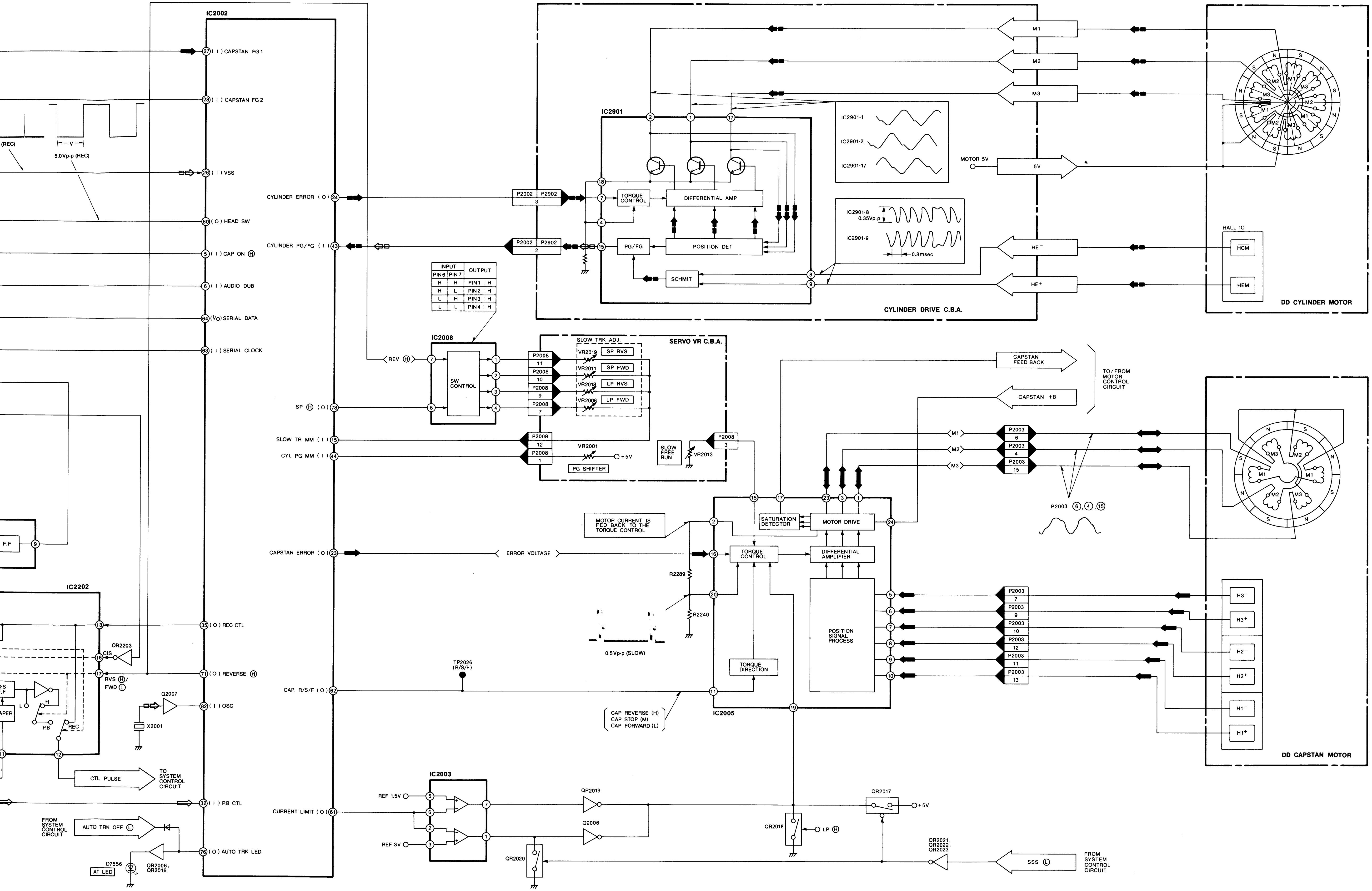
CAPSTAN SERVO SPEED LOOP

CAPSTAN SERVO PHASE LOOP

CYLINDER SERVO SPEED LOOP

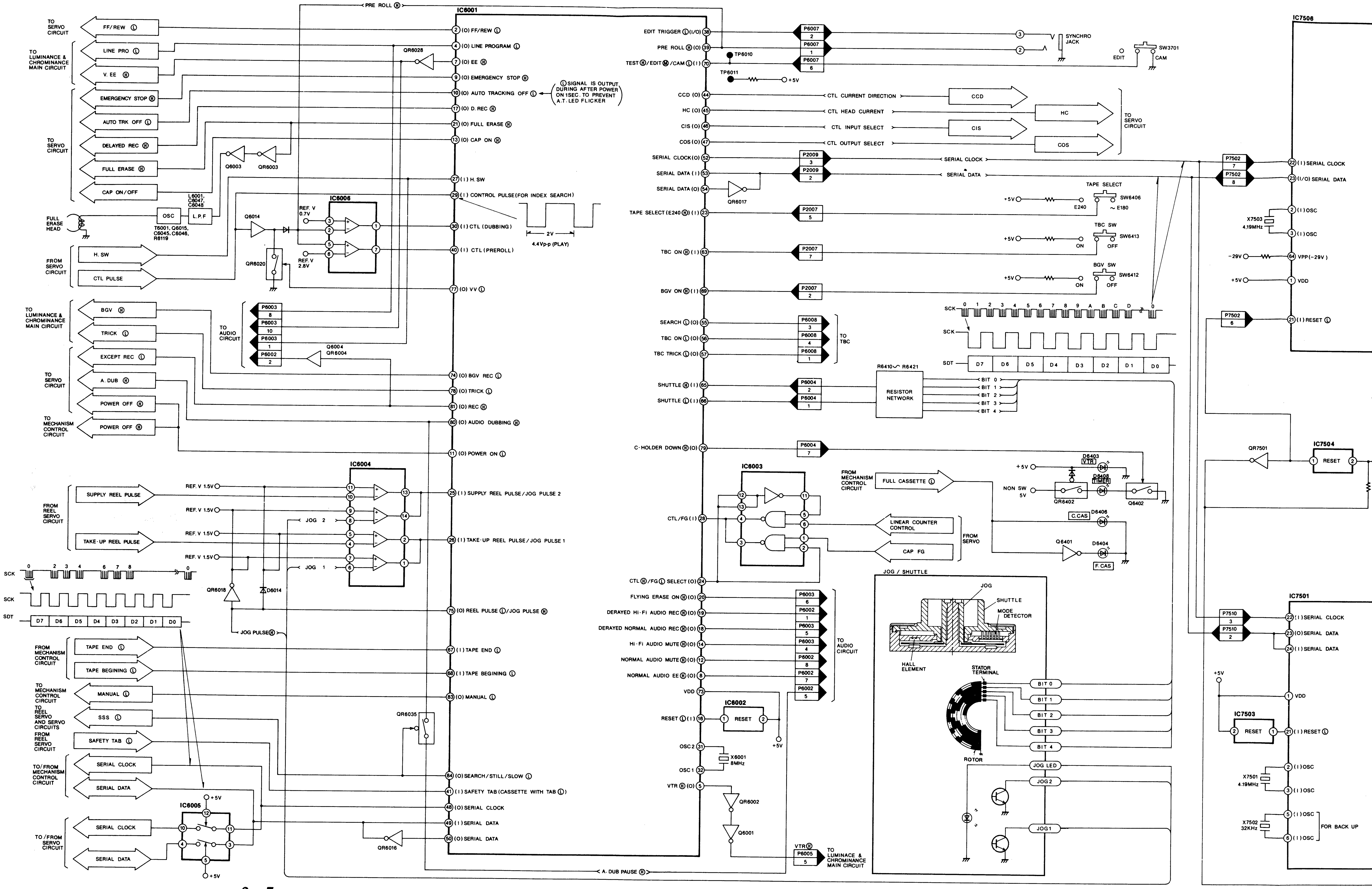

TO SYSTEM CONTROL & REEL SERVO CIRCUIT
CAP FG
TP2015 (FG)
5.0Vp-p (REC)
FG1
P2003 3
BUFFER
IC2006/IC2010
(90° PHASE DIFFERENCE)
FG2
P2003 5
BUFFER
1.8Vp-p (REC)
V
5.0Vp-p (REC)
TO/FROM LUMINANCE & CHROMINANCE MAIN CIRCUIT
P2005 11
P2005 9
H. SW
CAP. ON/OFF
A. DUB Ⓗ
SERIAL DATA
SERIAL CLOCK
TO/FROM SYSTEM CONTROL CIRCUIT
FULL ERASE Ⓗ
P2013 10
CIS
P2013 4
CONTROL INPUT SELECT
COS
P2013 1
CONTROL OUTPUT SELECT
HC
P2013 13
CONTROL HEAD CURRENT
CCD
P2013 15
CONTROL CURRENT DIRECTION
IC2201
F.F
CTL HEAD
P1501 5
P2201 2
P1501 6
P2201 1
IC2202
REC START
CCD
HC
COS
PB CTL REWRITE
HEAD CURR. CTL
TRAPEZOID
DUTY CHANGE
CTL DUTY CHANGE M.M
M.M
NOR. REC
NOR. REC
PB H : ON
REWRITE : OFF
AMP
SHAPER
SHAPER
R-S F.F
H:ON
PB
REC
AGC
QR2203
CIS
RVS Ⓗ/ FWD Ⓛ
Q2007
X2001
TO SYSTEM CONTROL CIRCUIT
CTL PULSE
2V
5.0Vp-p (REC)
TP2002 (P.B CTL)
Q2207
Q2203～Q2205
AMP
FROM SYSTEM CONTROL CIRCUIT
FF / REW Ⓛ
P2013 14
QR2204
TO SYSTEM CONTROL CIRCUIT
LINEAR COUNTER CONTROL
QR2211
IC2205
BUFFER
FROM SYSTEM CONTROL CIRCUIT
AUTO TRK OFF Ⓛ
D7556
AT LED
QR2006, QR2016
IC2002
(27) (I) CAPSTAN FG 1
(28) (I) CAPSTAN FG 2
(26) (I) VSS
(60) (O) HEAD SW
(5) (I) CAP ON Ⓗ
(6) (I) AUDIO DUB
(64) (I/O) SERIAL DATA
(63) (I) SERIAL CLOCK
(35) (O) REC CTL
(71) (O) REVERSE Ⓗ
(82) (I) OSC
(32) (I) PB CTL
(76) (O) AUTO TRK LED
CYLINDER ERROR (O) (24)
CYLINDER PG/FG (I) (43)
REV Ⓗ
SP Ⓗ (O) (78)
SLOW TR MM (I) (15)
CYL PG MM (I) (44)
CAPSTAN ERROR (O) (23)
CAP. R/S/F (O) (62)
CURRENT LIMIT (O) (61)
INPUT | OUTPUT
PIN6 | PIN7 |
H | H | PIN1 : H
H | L | PIN2 : H
L | H | PIN3 : H
L | L | PIN4 : H
IC2008
SW CONTROL
SERVO VR C.B.A.
SLOW TRK ADJ.
VR2019 SP RVS
VR2011 SP FWD
VR2018 LP RVS
VR2006 LP FWD
P2008 11
P2008 10
P2008 9
P2008 7
P2008 12
P2008 1
P2008 3
VR2001
+5V
PG SHIFTER
SLOW FREE RUN
VR2013
IC2901
P2002 P2902 3
P2002 P2902 2
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
IC2901-1
IC2901-2
IC2901-17
IC2901-8
0.35Vp-p
IC2901-9
0.8ms
CYLINDER D
MOTOR CURRENT IS FED BACK TO THE TORQUE CONTROL
ERROR VOLTAGE
R2289
R2240
0.5Vp-p (SLOW)
TP2026 (R/S/F)
CAP REVERSE (H)
CAP STOP (M)
CAP FORWARD (L)
SATURATION DETECTOR
MOTOR DRIVE
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
TORQUE DIRECTION
POSITION SIGNAL PROCESS
IC2005
IC2003
REF 1.5V
REF 3V
QR2019
Q2006
QR2020
QR2018
LP Ⓗ
QR2017
+5

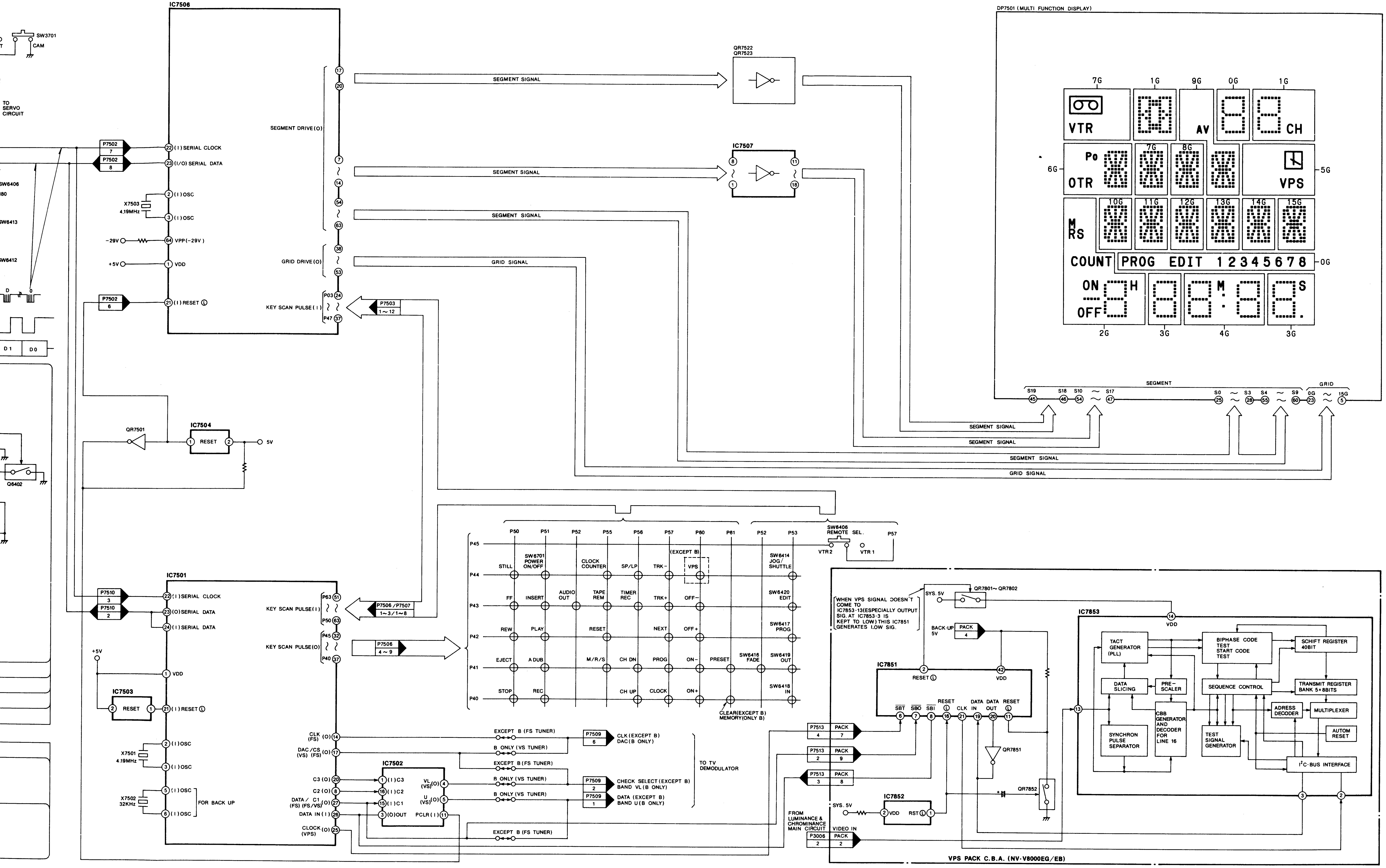
STAN SERVO SPEED LOOP ⇦ CAPSTAN SERVO PHASE LOOP ◀■ CYLINDER SERVO SPEED LOOP ⇦□ CYLINDER SERVO PHASE LOOP



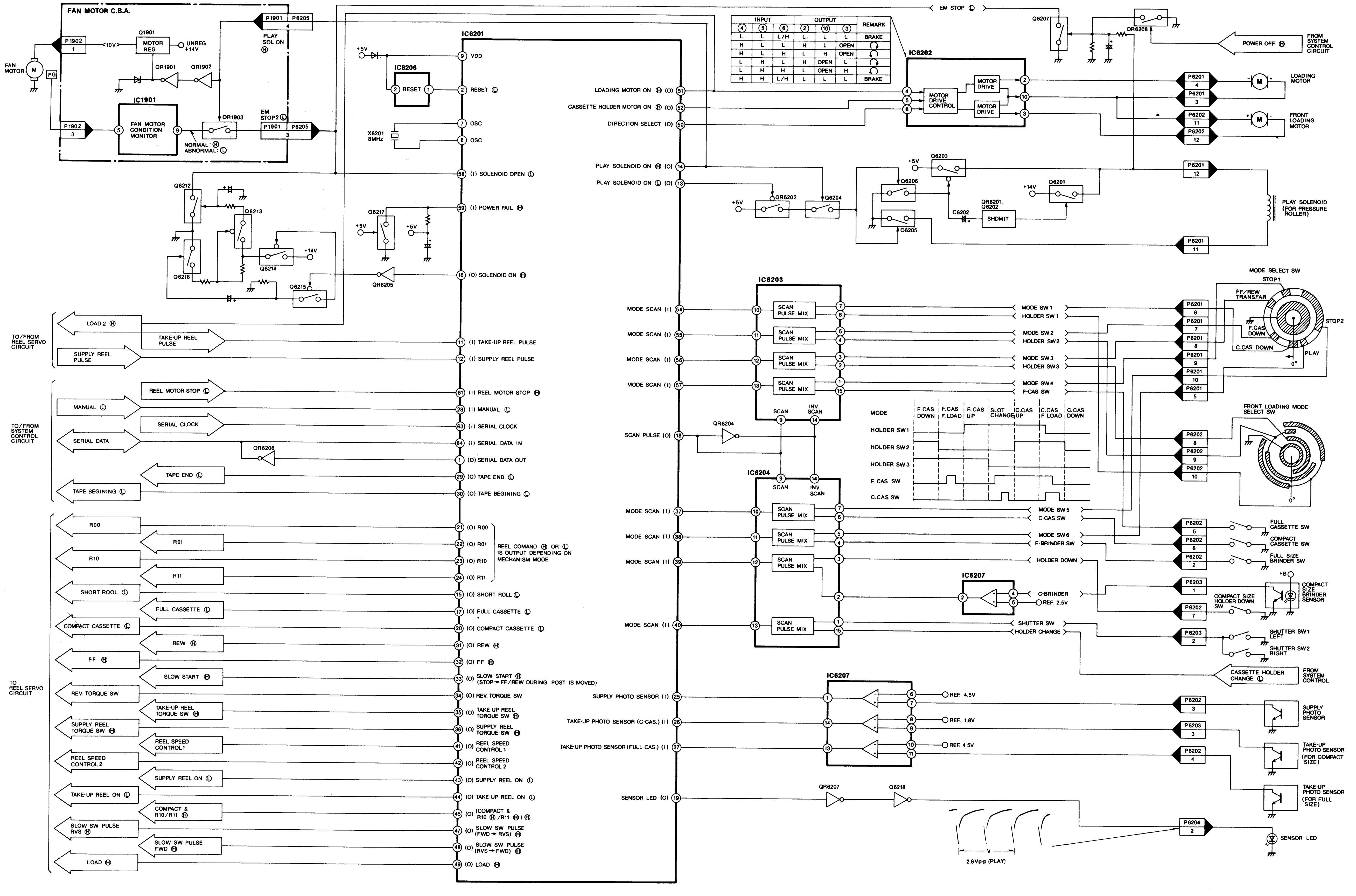
IC2002
(I) CAPSTAN FG1
(I) CAPSTAN FG2
(REC)
5.0Vp-p (REC)
(I) VSS
CYLINDER ERROR (O)
(O) HEAD SW
CYLINDER PG/FG (I)
(I) CAP ON Ⓗ
(I) AUDIO DUB
(I/O) SERIAL DATA
(I) SERIAL CLOCK
REV Ⓗ
SP Ⓗ (O)
SLOW TR MM (I)
CYL PG MM (I)
CAPSTAN ERROR (O)
ERROR VOLTAGE
CAP R/S/F (O)
CURRENT LIMIT (O)
(O) REC CTL
(O) REVERSE Ⓗ
(I) OSC
(I) PB CTL
(O) AUTO TRK LED
F.F
IC2202
QR2203
CIS
RVS Ⓗ/FWD Ⓛ
Q2007
X2001
P.B
REC
CTL PULSE
TO SYSTEM CONTROL CIRCUIT
FROM SYSTEM CONTROL CIRCUIT
AUTO TRK OFF Ⓛ
D7556
AT LED
QR2006, QR2016
IC2901
P2002 P2902
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
IC2901-1
IC2901-2
IC2901-17
IC2901-8 0.35Vp-p
IC2901-9
0.8msec
MOTOR 5V
5V
M1
M2
M3
HE⁻
HE⁺
HALL IC
HCM
HEM
CYLINDER DRIVE C.B.A.
DD CYLINDER MOTOR
INPUT | OUTPUT
PIN6 | PIN7
H H PIN1 : H
H L PIN2 : H
L H PIN3 : H
L L PIN4 : H
IC2008
SW CONTROL
P2008
SERVO VR C.B.A.
SLOW TRK ADJ.
VR2019 SP RVS
VR2011 SP FWD
VR2018 LP RVS
VR2006 LP FWD
VR2001
+5V
PG SHIFTER
SLOW FREE RUN
VR2013
CAPSTAN FEED BACK
CAPSTAN +B
TO/FROM MOTOR CONTROL CIRCUIT
P2003
P2003 ⑥ . ④ . ⑮
MOTOR CURRENT IS FED BACK TO THE TORQUE CONTROL
SATURATION DETECTOR
MOTOR DRIVE
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
POSITION SIGNAL PROCESS
TORQUE DIRECTION
IC2005
R2289
R2240
0.5Vp-p (SLOW)
TP2026 (R/S/F)
CAP REVERSE (H)
CAP STOP (M)
CAP FORWARD (L)
H3⁻
H3⁺
H2⁻
H2⁺
H1⁻
H1⁺
DD CAPSTAN MOTOR
IC2003
REF 1.5V
REF 3V
QR2019
Q2006
QR2020
QR2018
LP Ⓗ
QR2017
+5V
QR2021, QR2022, QR2023
SSS Ⓛ

3-3. SYSTEM CONTROL & TIMER BLOCK DIAGRAM


PRE ROLL Ⓗ
IC6001
TO SERVO CIRCUIT
FF/REW Ⓛ
TO LUMINANCE & CHROMINANCE MAIN CIRCUIT
LINE PRO Ⓛ
V. EE Ⓗ
EMERGENCY STOP Ⓗ
AUTO TRK OFF Ⓛ
DELAYED REC Ⓗ
FULL ERASE Ⓗ
CAP ON/OFF
QR6028
Q6003
QR6003
L6001, C6047, C6048
OSC
L.P.F
FULL ERASE HEAD
T6001, Q6015, C6045, C6046, R6119
IC6006
Q6014
REF. V 0.7V
REF. V 2.8V
QR6020
FROM SERVO CIRCUIT
H. SW
CTL PULSE
BGV Ⓗ
TRICK Ⓛ
EXCEPT REC Ⓛ
A. DUB Ⓗ
POWER OFF Ⓗ
TO MECHANISM CONTROL CIRCUIT
POWER OFF Ⓗ
TO AUDIO CIRCUIT
P6003
P6002
Q6004
QR6004
(2) (O) FF/REW Ⓛ
(4) (O) LINE PROGRAM Ⓛ
(7) (O) EE Ⓗ
(9) (O) EMERGENCY STOP Ⓗ
(10) (O) AUTO TRACKING OFF Ⓛ
Ⓛ SIGNAL IS OUTPUT DURING AFTER POWER ON 1SEC. TO PREVENT A.T. LED FLICKER
(17) (O) D. REC Ⓗ
(21) (O) FULL ERASE Ⓗ
(13) (O) CAP ON Ⓗ
(27) (I) H. SW
(29) (I) CONTROL PULSE (FOR INDEX SEARCH)
2V
4.4Vp-p (PLAY)
(30) (I) CTL (DUBBING)
(40) (I) CTL (PREROLL)
(77) (O) VV Ⓛ
(74) (O) BGV REC Ⓛ
(78) (O) TRICK Ⓛ
(81) (O) REC Ⓗ
(80) (O) AUDIO DUBBING Ⓗ
(11) (O) POWER ON Ⓛ
IC6004
FROM REEL SERVO CIRCUIT
SUPPLY REEL PULSE
TAKE-UP REEL PULSE
REF. V 1.5V
JOG 2
JOG 1
QR6018
D6014
JOG PULSE Ⓗ
(25) (I) SUPPLY REEL PULSE/JOG PULSE 2
(26) (I) TAKE-UP REEL PULSE/JOG PULSE 1
(75) (O) REEL PULSE Ⓛ/JOG PULSE Ⓗ
SCK
SDT
D7 D6 D5 D4 D3 D2 D1 D0
FROM MECHANISM CONTROL CIRCUIT
TAPE END Ⓛ
TAPE BEGINING Ⓛ
TO MECHANISM CONTROL CIRCUIT
MANUAL Ⓛ
TO REEL SERVO AND SERVO CIRCUITS
SSS Ⓛ
FROM REEL SERVO CIRCUIT
SAFETY TAB Ⓛ
TO/FROM MECHANISM CONTROL CIRCUIT
SERIAL CLOCK
SERIAL DATA
TO/FROM SERVO CIRCUIT
SERIAL CLOCK
SERIAL DATA
IC6005
+5V
QR6035
QR6016
(67) (I) TAPE END Ⓛ
(68) (I) TAPE BEGINING Ⓛ
(83) (O) MANUAL Ⓛ
(84) (O) SEARCH/STILL/SLOW Ⓛ
(41) (I) SAFETY TAB (CASSETTE WITH TAB Ⓛ)
(48) (O) SERIAL CLOCK
(49) (I) SERIAL DATA
(50) (O) SERIAL DATA
A. DUB PAUSE Ⓗ
EDIT TRIGGER Ⓛ (I/O) (38)
PRE ROLL Ⓗ (O) (39)
TEST Ⓗ/EDIT Ⓜ/CAM Ⓛ (I) (70)
TP6010
TP6011
P6007
SYNCHRO JACK
EDIT
CAM
SW3701
CCD (O) (44)
HC (O) (45)
CIS (O) (46)
COS (O) (47)
CTL CURRENT DIRECTION
CTL HEAD CURRENT
CTL INPUT SELECT
CTL OUTPUT SELECT
CCD
HC
CIS
COS
TO SERVO CIRCUIT
SERIAL CLOCK (O) (52)
SERIAL DATA (I) (53)
SERIAL DATA (O) (54)
P2009
QR6017
SERIAL CLOCK
SERIAL DATA
TAPE SELECT (E240 Ⓗ) (I) (23)
P2007
TAPE SELECT
SW6406
E240
~ E180
TBC SW
SW6413
ON OFF
TBC ON Ⓗ (I) (63)
BGV SW
SW6412
BGV ON Ⓗ (I) (69)
SCK 0 1 2 3 4 5 6 7 8 9 A B C D 0
SEARCH Ⓛ (O) (55)
TBC ON Ⓛ (O) (56)
TBC TRICK Ⓛ (O) (57)
P6008
TO TBC
SDT D7 D6 D5 D4 D3 D2 D1 D0
R6410 ~ R6421
RESISTOR NETWORK
BIT 0 BIT 1 BIT 2 BIT 3 BIT 4
SHUTTLE Ⓗ (I) (65)
SHUTTLE Ⓛ (I) (66)
P6004
C-HOLDER DOWN Ⓗ (O) (79)
D6403 VTR
D6408 TIMER
NON SW 5V
QR6402
Q6402
IC6003
FROM MECHANISM CONTROL CIRCUIT
FULL CASSETTE Ⓛ
CTL/FG (I) (28)
LINEAR COUNTER CONTROL
CAP FG
FROM SERVO
C.CAS
D6406
Q6401
D6404
F.CAS
CTL Ⓗ/FG Ⓛ SELECT (O) (24)
FLYING ERASE ON Ⓗ (O) (20)
DERAYED HI-FI AUDIO REC Ⓗ (O) (19)
DERAYED NORMAL AUDIO REC Ⓗ (O) (18)
HI-FI AUDIO MUTE Ⓗ (O) (14)
NORMAL AUDIO MUTE Ⓗ (O) (12)
NORMAL AUDIO EE Ⓗ (O) (8)
VDD (73)
TO AUDIO CIRCUIT
IC6002
RESET
RESET Ⓛ (I) (16)
OSC 2 (31)
OSC 1 (32)
X6001 8MHz
VTR Ⓗ (O) (5)
QR6002
Q6001
VTR Ⓗ
P6005
TO LUMINACE & CHROMINANCE MAIN CIRCUIT
JOG/SHUTTLE
JOG
SHUTTLE
MODE DETECTOR
HALL ELEMENT
STATOR TERMINAL
ROTOR
BIT 0 BIT 1 BIT 2 BIT 3 BIT 4
JOG LED
JOG 2
JOG 1
IC7506
P7502
(22) (I) SERIAL CLOCK
(23) (I/O) SERIAL DATA
X7503 4.19MHz
(2) (I) OSC
(3) (I) OSC
-29V
(64) VPP (-29V)
+5V
(1) VDD
(21) (I) RESET Ⓛ
QR7501
IC7504
RESET
IC7501
P7510
(22) (I) SERIAL CLOCK
(23) (O) SERIAL DATA
(24) (I) SERIAL DATA
(1) VDD
IC7503
RESET
(21) (I) RESET Ⓛ
X7501 4.19MHz
(2) (I) OSC
(3) (I) OSC
X7502 32KHz
(5) (I) OSC
(6) (I) OSC
FOR BACK UP

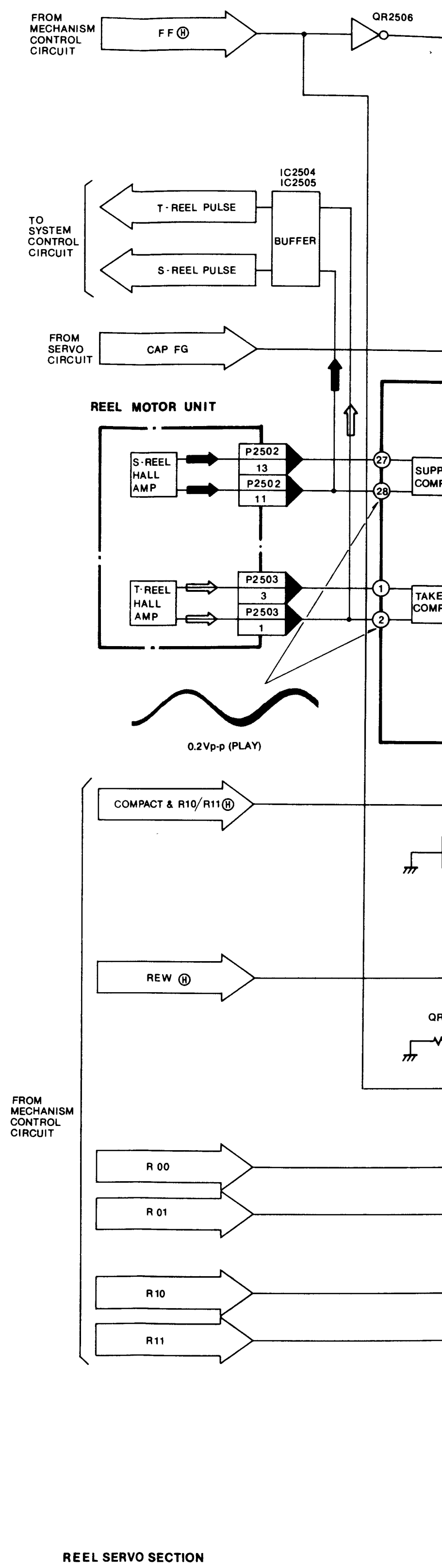

IC7506
SW3701
CAM
TO SERVO CIRCUIT
P7502
(I) SERIAL CLOCK
(I/O) SERIAL DATA
(I) OSC
X7503 4.19MHz
-29V
VPP(-29V)
+5V
VDD
(I) RESET
SEGMENT DRIVE(O)
GRID DRIVE(O)
KEY SCAN PULSE(I)
P7503 1~12
SEGMENT SIGNAL
GRID SIGNAL
QR7522 QR7523
IC7507
DP7501 (MULTI FUNCTION DISPLAY)
VTR
AV
CH
Po
OTR
VPS
M
RS
COUNT
PROG EDIT 12345678
ON
OFF
H
M
S
7G 1G 9G 0G 1G 6G 5G 8G 10G 11G 12G 13G 14G 15G 2G 3G 4G 3G
SEGMENT
GRID
S19 S18 S10 S17 S0 S3 S4 S9 0G 15G
SW6406
SW6413
SW6412
D1 D0
Q6402
QR7501
IC7504
RESET
5V
IC7501
P7510
(I) SERIAL CLOCK
(O) SERIAL DATA
(I) SERIAL DATA
KEY SCAN PULSE(I)
KEY SCAN PULSE(O)
P7506/P7507 1~3/1~8
P7506 4~9
IC7503
X7501 4.19MHz
X7502 32KHz
FOR BACK UP
CLK (FS)
DAC/CS (VS) (FS)
C3 (O)
C2 (O)
DATA/C1 (FS) (FS/VS)
DATA IN (I)
CLOCK (VPS)
IC7502
VL (VS)
U (VS)
PCLR (I)
(O)OUT
EXCEPT B (FS TUNER)
B ONLY (VS TUNER)
P7509
CLK (EXCEPT B) DAC (B ONLY)
CHECK SELECT (EXCEPT B) BAND VL (B ONLY)
DATA (EXCEPT B) BAND U (B ONLY)
TO TV DEMODULATOR
P50 P51 P52 P55 P56 P57 P80 P81 P52 P53
P45 P44 P43 P42 P41 P40
SW6406 REMOTE SEL.
VTR 2 VTR 1
STILL
SW6701 POWER ON/OFF
CLOCK COUNTER
SP/LP
TRK-
(EXCEPT B)
VPS
SW6414 JOG/SHUTTLE
FF
INSERT
AUDIO OUT
TAPE REM
TIMER REC
TRK+
OFF-
SW6420 EDIT
REW
PLAY
RESET
NEXT
OFF+
SW6417 PROG
EJECT
A DUB
M/R/S
CH DN
PROG
ON-
PRESET
SW6416 FADE
SW6419 OUT
STOP
REC
CH UP
CLOCK
ON+
SW6418 IN
CLEAR(EXCEPT B) MEMORY(ONLY B)
WHEN VPS SIGNAL DOESN'T COME TO IC7853-13(ESPECIALLY OUTPUT SIG. AT IC7853-3 IS KEPT TO LOW) THIS IC7851 GENERATES LOW SIG.
SYS. 5V
QR7801~QR7802
BACK-UP 5V
PACK
IC7851
RESET
VDD
SBT SBO SBI
CLK
DATA IN
DATA OUT
QR7851
QR7852
IC7852
RST
P7513
FROM LUMINANCE & CHROMINANCE MAIN CIRCUIT
VIDEO IN
P3006
IC7853
TACT GENERATOR (PLL)
BIPHASE CODE TEST START CODE TEST
SCHIFT REGISTER 40BIT
DATA SLICING
PRE-SCALER
SEQUENCE CONTROL
TRANSMIT REGISTER BANK 5×8BITS
ADRESS DECODER
MULTIPLEXER
SYNCHRON PULSE SEPARATOR
CBB GENERATOR AND DECODER FOR LINE 16
TEST SIGNAL GENERATOR
AUTOM RESET
I²C-BUS INTERFACE
VPS PACK C.B.A. (NV-V8000EG/EB)

3-4. MECHANISM CONTROL BLOCK DIAGRAM


FAN MOTOR C.B.A.
FAN MOTOR
M
FG
P1902 1
<10V>
Q1901 MOTOR REG
UNREG +14V
QR1901
QR1902
IC1901 FAN MOTOR CONDITION MONITOR
QR1903
P1902 3
NORMAL: Ⓗ ABNORMAL: Ⓛ
P1901 P6205 4
PLAY SOL ON Ⓗ
EM STOP2 Ⓛ
P1901 P6205 3
Q6212
Q6213
Q6216
Q6214
Q6215
+14V
Q6217
+5V
QR6205
IC6201
IC6206 RESET
X6201 8MHz
(9) VDD
(2) RESET Ⓛ
(7) OSC
(8) OSC
(58) (I) SOLENOID OPEN Ⓛ
(59) (I) POWER FAIL Ⓗ
(16) (O) SOLENOID ON Ⓗ
TO/FROM REEL SERVO CIRCUIT
LOAD 2 Ⓗ
TAKE-UP REEL PULSE
SUPPLY REEL PULSE
(11) (I) TAKE-UP REEL PULSE
(12) (I) SUPPLY REEL PULSE
TO/FROM SYSTEM CONTROL CIRCUIT
REEL MOTOR STOP Ⓛ
MANUAL Ⓛ
SERIAL CLOCK
SERIAL DATA
QR6206
TAPE END Ⓛ
TAPE BEGINING Ⓛ
(61) (I) REEL MOTOR STOP Ⓗ
(28) (I) MANUAL Ⓛ
(63) (I) SERIAL CLOCK
(64) (I) SERIAL DATA IN
(1) (O) SERIAL DATA OUT
(29) (O) TAPE END Ⓛ
(30) (O) TAPE BEGINING Ⓛ
TO REEL SERVO CIRCUIT
R00
R01
R10
R11
SHORT ROOL Ⓛ
FULL CASSETTE Ⓛ
COMPACT CASSETTE Ⓛ
REW Ⓗ
FF Ⓗ
SLOW START Ⓗ
REV. TORQUE SW
TAKE-UP REEL TORQUE SW Ⓗ
SUPPLY REEL TORQUE SW Ⓗ
REEL SPEED CONTROL 1
REEL SPEED CONTROL 2
SUPPLY REEL ON Ⓛ
TAKE-UP REEL ON Ⓛ
COMPACT & R10/R11 Ⓗ
SLOW SW PULSE RVS Ⓗ
SLOW SW PULSE FWD Ⓗ
LOAD Ⓗ
(21) (O) R00
(22) (O) R01
(23) (O) R10
(24) (O) R11
REEL COMAND Ⓗ OR Ⓛ IS OUTPUT DEPENDING ON MECHANISM MODE
(15) (O) SHORT ROLL Ⓛ
(17) (O) FULL CASSETTE Ⓛ
(20) (O) COMPACT CASSETTE Ⓛ
(31) (O) REW Ⓗ
(32) (O) FF Ⓗ
(33) (O) SLOW START Ⓗ (STOP → FF/REW DURING POST IS MOVED)
(34) (O) REV. TORQUE SW
(35) (O) TAKE UP REEL TORQUE SW Ⓗ
(36) (O) SUPPLY REEL TORQUE SW Ⓗ
(41) (O) REEL SPEED CONTROL 1
(42) (O) REEL SPEED CONTROL 2
(43) (O) SUPPLY REEL ON Ⓛ
(44) (O) TAKE-UP REEL ON Ⓛ
(45) (O) (COMPACT & R10 Ⓗ /R11 Ⓗ) Ⓗ
(47) (O) SLOW SW PULSE (FWD → RVS) Ⓗ
(48) (O) SLOW SW PULSE (RVS → FWD) Ⓗ
(49) (O) LOAD Ⓗ
LOADING MOTOR ON Ⓗ (O) (51)
CASSETTE HOLDER MOTOR ON Ⓗ (O) (52)
DIRECTION SELECT (O) (50)
PLAY SOLENOID ON Ⓗ (O) (14)
PLAY SOLENOID ON Ⓛ (O) (13)
MODE SCAN (I) (54)
MODE SCAN (I) (55)
MODE SCAN (I) (56)
MODE SCAN (I) (57)
SCAN PULSE (O) (18)
MODE SCAN (I) (37)
MODE SCAN (I) (38)
MODE SCAN (I) (39)
MODE SCAN (I) (40)
SUPPLY PHOTO SENSOR (I) (25)
TAKE-UP PHOTO SENSOR (C-CAS.) (I) (26)
TAKE-UP PHOTO SENSOR (FULL-CAS.) (I) (27)
SENSOR LED (O) (19)
EM STOP Ⓛ
Q6207
QR6208
POWER OFF Ⓗ
FROM SYSTEM CONTROL CIRCUIT
IC6202
MOTOR DRIVE CONTROL
MOTOR DRIVE
MOTOR DRIVE
P6201 4
P6201 3
LOADING MOTOR
P6202 11
P6202 12
FRONT LOADING MOTOR
Q6203
Q6206
Q6205
QR6202
Q6204
C6202
QR6201, Q6202
SHDMIT
Q6201
P6201 12
P6201 11
PLAY SOLENOID (FOR PRESSURE ROLLER)
IC6203
SCAN PULSE MIX
SCAN
INV. SCAN
IC6204
QR6204
MODE SW 1
HOLDER SW 1
MODE SW 2
HOLDER SW 2
MODE SW 3
HOLDER SW 3
MODE SW 4
F-CAS SW
MODE SELECT SW
STOP 1
FF/REW TRANSFAR
F.CAS DOWN
C.CAS DOWN
STOP2
PLAY
0°
P6201 6
P6201 7
P6201 8
P6201 9
P6201 10
P6201 5
MODE
F.CAS DOWN
F.CAS F.LOAD
F.CAS UP
SLOT CHANGE
C.CAS UP
C.CAS F.LOAD
C.CAS DOWN
HOLDER SW1
HOLDER SW2
HOLDER SW3
F.CAS SW
C.CAS SW
FRONT LOADING MODE SELECT SW
P6202 8
P6202 9
P6202 10
MODE SW 5
C-CAS SW
MODE SW 6
F-BRINDER SW
HOLDER DOWN
IC6207
C-BRINDER
REF. 2.5V
SHUTTER SW
HOLDER CHANGE
P6202 5
P6202 6
P6202 2
FULL CASSETTE SW
COMPACT CASSETTE SW
FULL SIZE BRINDER SW
+B
P6203 1
P6202 7
COMPACT SIZE HOLDER DOWN SW
COMPACT SIZE BRINDER SENSOR
P6203 2
SHUTTER SW1 LEFT
SHUTTER SW2 RIGHT
CASSETTE HOLDER CHANGE Ⓛ
FROM SYSTEM CONTROL
REF. 4.5V
REF. 1.8V
REF. 4.5V
P6202 3
SUPPLY PHOTO SENSOR
P6203 3
TAKE-UP PHOTO SENSOR (FOR COMPACT SIZE)
P6202 4
TAKE-UP PHOTO SENSOR (FOR FULL SIZE)
QR6207
Q6218
P6204 2
SENSOR LED
V
2.6Vp-p (PLAY)

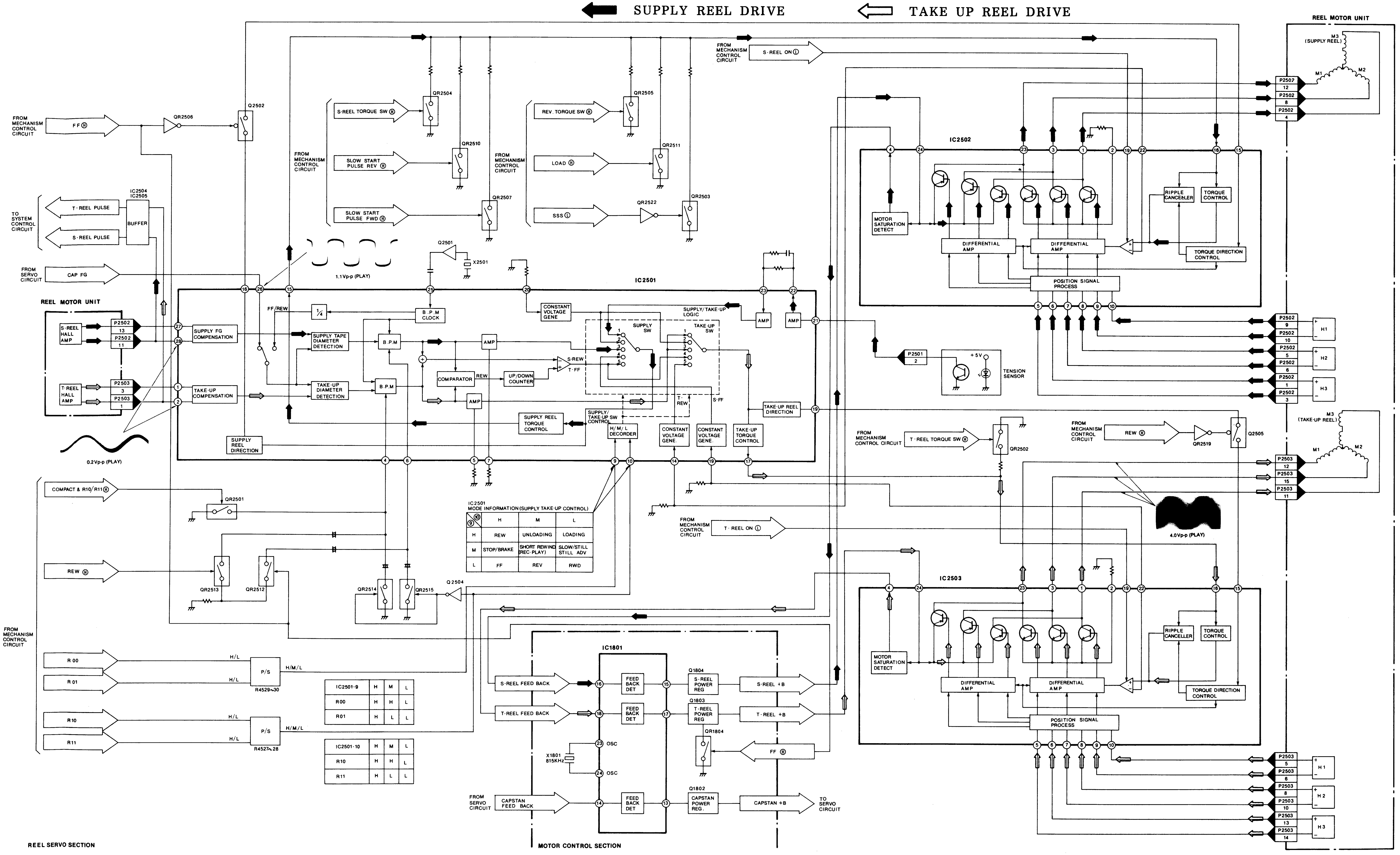
INPUT			OUTPUT			REMARK
④	⑤	⑥	②	⑩	③	
L	L	L/H	L	L	L	BRAKE
H	L	L	H	L	OPEN	↻
H	L	H	L	H	OPEN	↺
L	H	L	H	OPEN	L	↻
L	H	H	L	OPEN	H	↺
H	H	L/H	L	L	L	BRAKE

3-5. REEL SERVO & MO


FROM MECHANISM CONTROL CIRCUIT
FF Ⓗ
QR2506
IC2504 IC2505
TO SYSTEM CONTROL CIRCUIT
T-REEL PULSE
S-REEL PULSE
BUFFER
FROM SERVO CIRCUIT
CAP FG
REEL MOTOR UNIT
S-REEL HALL AMP
P2502 13
P2502 11
T-REEL HALL AMP
P2503 3
P2503 1
SUPP COMP
TAKE COMP
0.2Vp-p (PLAY)
COMPACT & R10/R11 Ⓗ
REW Ⓗ
FROM MECHANISM CONTROL CIRCUIT
R 00
R 01
R 10
R 11
REEL SERVO SECTION

Back Page:
SYSTEM CONTROL & TIMER Section

3-5. REEL SERVO & MOTER CONTROL BLOCK DIAGRAM


SUPPLY REEL DRIVE
TAKE UP REEL DRIVE
REEL MOTOR UNIT
M3 (SUPPLY REEL)
M1
M2
P2507 12
P2502 8
P2502 4
FROM MECHANISM CONTROL CIRCUIT
S-REEL ON Ⓛ
FF Ⓗ
QR2506
Q2502
S-REEL TORQUE SW Ⓗ
QR2504
SLOW START PULSE REV Ⓗ
QR2510
SLOW START PULSE FWD Ⓗ
QR2507
REV. TORQUE SW Ⓗ
QR2505
LOAD Ⓗ
QR2511
SSS Ⓛ
QR2522
QR2503
IC2504 IC2505
BUFFER
TO SYSTEM CONTROL CIRCUIT
T-REEL PULSE
S-REEL PULSE
FROM SERVO CIRCUIT
CAP FG
Q2501
X2501
1.1Vp-p (PLAY)
IC2501
IC2502
MOTOR SATURATION DETECT
DIFFERENTIAL AMP
RIPPLE CANCELER
TORQUE CONTROL
TORQUE DIRECTION CONTROL
POSITION SIGNAL PROCESS
REEL MOTOR UNIT
S-REEL HALL AMP
T-REEL HALL AMP
P2502 13
P2502 11
P2503 3
P2503 1
SUPPLY FG COMPENSATION
TAKE-UP COMPENSATION
FF/REW
1/4
B.P.M CLOCK
SUPPLY TAPE DIAMETER DETECTION
TAKE-UP DIAMETER DETECTION
B.P.M
AMP
COMPARATOR
REW
UP/DOWN COUNTER
S-REW
T-FF
CONSTANT VOLTAGE GENE
SUPPLY/TAKE-UP LOGIC
SUPPLY SW
TAKE-UP SW
T-REW
S-FF
SUPPLY REEL TORQUE CONTROL
SUPPLY/TAKE-UP SW CONTROL
H/M/L DECORDER
CONSTANT VOLTAGE GENE.
TAKE-UP TORQUE CONTROL
TAKE-UP REEL DIRECTION
SUPPLY REEL DIRECTION
0.2Vp-p (PLAY)
P2501 2
+5V
TENSION SENSOR
H1
H2
H3
P2502 9
P2502 10
P2502 5
P2502 6
P2502 1
P2502 3
M3 (TAKE-UP REEL)
T-REEL TORQUE SW Ⓗ
QR2502
REW Ⓗ
QR2519
Q2505
P2503 12
P2503 15
P2503 11
4.0Vp-p (PLAY)
COMPACT & R10/R11Ⓗ
QR2501
T-REEL ON Ⓛ
REW Ⓗ
QR2513
QR2512
QR2514
QR2515
Q2504
IC2503
R 00
R 01
R 10
R 11
H/L
P/S
H/M/L
R4529~30
R4527~28
IC1801
S-REEL FEED BACK
T-REEL FEED BACK
FEED BACK DET
Q1804
S-REEL POWER REG
S-REEL +B
Q1803
T-REEL POWER REG
T-REEL +B
QR1804
FF Ⓗ
X1801 815KHz
OSC
FROM SERVO CIRCUIT
CAPSTAN FEED BACK
Q1802
CAPSTAN POWER REG.
CAPSTAN +B
TO SERVO CIRCUIT
P2503 5
P2503 6
P2503 8
P2503 10
P2503 13
P2503 14
REEL SERVO SECTION
MOTOR CONTROL SECTION

IC2501
MODE INFORMATION (SUPPLY TAKE-UP CONTROL)

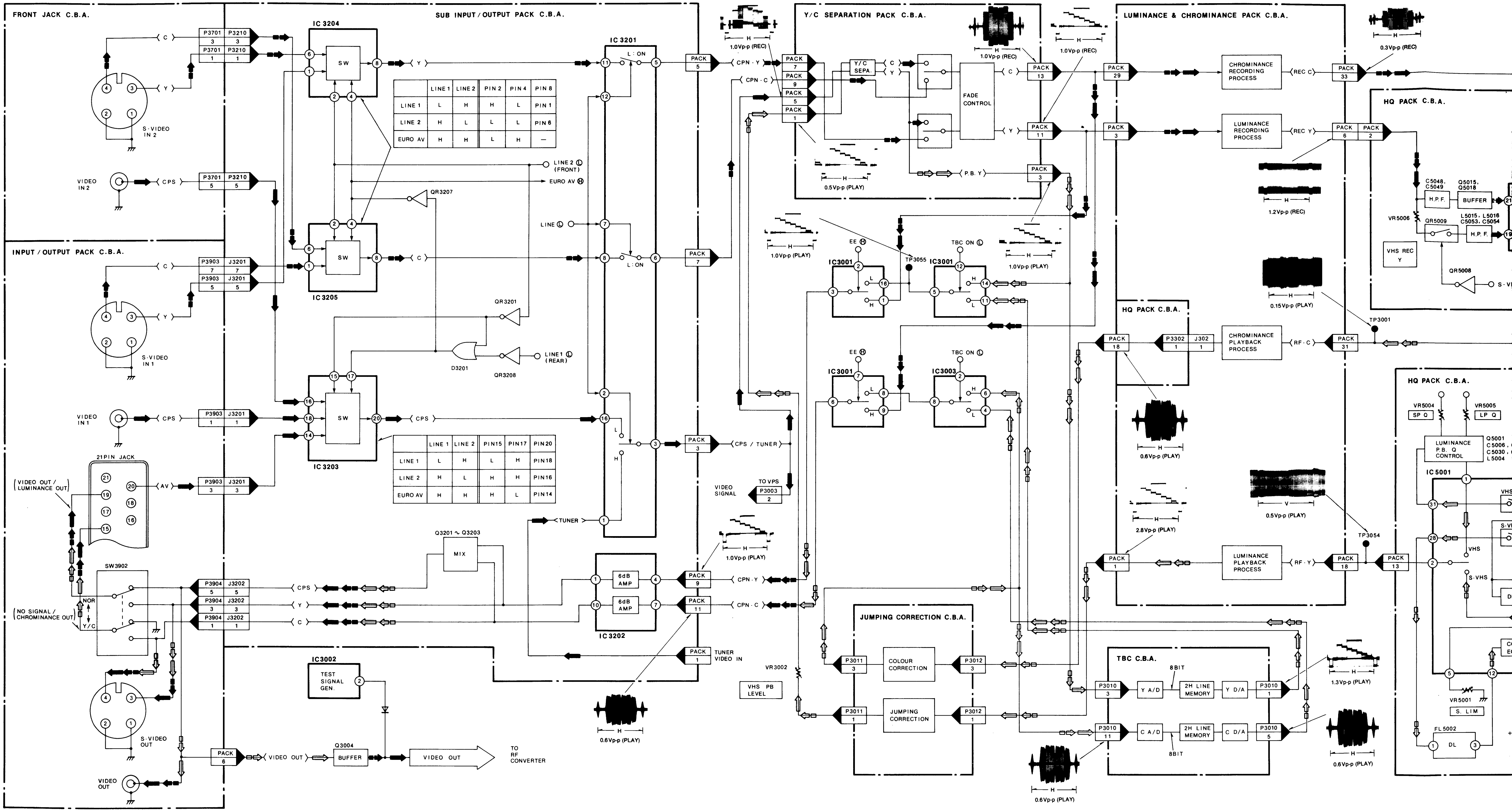
⑨ \ ⑩	H	M	L
H	REW	UNLOADING	LOADING
M	STOP/BRAKE	SHORT REWIND (REC·PLAY)	SLOW/STILL STILL ADV
L	FF	REV	RWD

IC2501-9	H	M	L
R00	H	H	L
R01	H	L	L

IC2501-10	H	M	L
R10	H	H	L
R11	H	L	L

3-6. VIDEO STAGE OVERALL BLOCK DIAGRAM

MAIN SIGNAL PATH IN REC MODE (VHS)   MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)   MAIN SIGNAL PATH IN REC MODE (S-VHS)   MA


FRONT JACK C.B.A.
S-VIDEO IN 2
VIDEO IN 2
P3701
P3210
INPUT / OUTPUT PACK C.B.A.
S-VIDEO IN 1
VIDEO IN 1
P3903
J3201
21PIN JACK
VIDEO OUT / LUMINANCE OUT
NO SIGNAL / CHROMINANCE OUT
SW3902
NOR
Y/C
P3904
J3202
S-VIDEO OUT
VIDEO OUT
SUB INPUT / OUTPUT PACK C.B.A.
IC 3204
IC 3205
IC 3203
SW
IC 3201
L : ON
LINE 2 Ⓛ (FRONT)
EURO AV Ⓗ
QR3207
LINE Ⓛ
QR3201
D3201
QR3208
LINE1 Ⓛ (REAR)
Q3201 ~ Q3203
MIX
6dB AMP
IC 3202
TUNER
IC3002
TEST SIGNAL GEN.
Q3004
BUFFER
VIDEO OUT
TO RF CONVERTER
PACK
CPS / TUNER
TUNER VIDEO IN
VIDEO SIGNAL
TO VPS
P3003
CPN - Y
CPN - C
CPS
Y
C
AV
1.0Vp-p (REC)
1.0Vp-p (PLAY)
0.6Vp-p (PLAY)
Y/C SEPARATION PACK C.B.A.
Y/C SEPA.
FADE CONTROL
P.B. Y
0.5Vp-p (PLAY)
EE Ⓗ
TBC ON Ⓛ
IC3001
IC3003
TP3055
VR3002
VHS PB LEVEL
JUMPING CORRECTION C.B.A.
P3011
P3012
COLOUR CORRECTION
JUMPING CORRECTION
TBC C.B.A.
P3010
Y A/D
C A/D
2H LINE MEMORY
Y D/A
C D/A
8BIT
1.3Vp-p (PLAY)
LUMINANCE & CHROMINANCE PACK C.B.A.
CHROMINANCE RECORDING PROCESS
LUMINANCE RECORDING PROCESS
REC C
REC Y
0.3Vp-p (REC)
1.2Vp-p (REC)
0.15Vp-p (PLAY)
HQ PACK C.B.A.
P3302
J302
CHROMINANCE PLAYBACK PROCESS
RF - C
TP3001
0.6Vp-p (PLAY)
2.8Vp-p (PLAY)
0.5Vp-p (PLAY)
LUMINANCE PLAYBACK PROCESS
RF - Y
TP3054
C5048, C5049
Q5015, Q5018
H.P.F.
BUFFER
VR5006
QR5009
L5015, L5016 C5053, C5054
VHS REC Y
QR5008
S-V
VR5004
SP Ⓛ
VR5005
LP Ⓛ
LUMINANCE P.B. Q CONTROL
Q5001 C5006, C5030, L5004
IC5001
VHS
S-VHS
VR5001
S. LIM
FL5002
DL
H
V

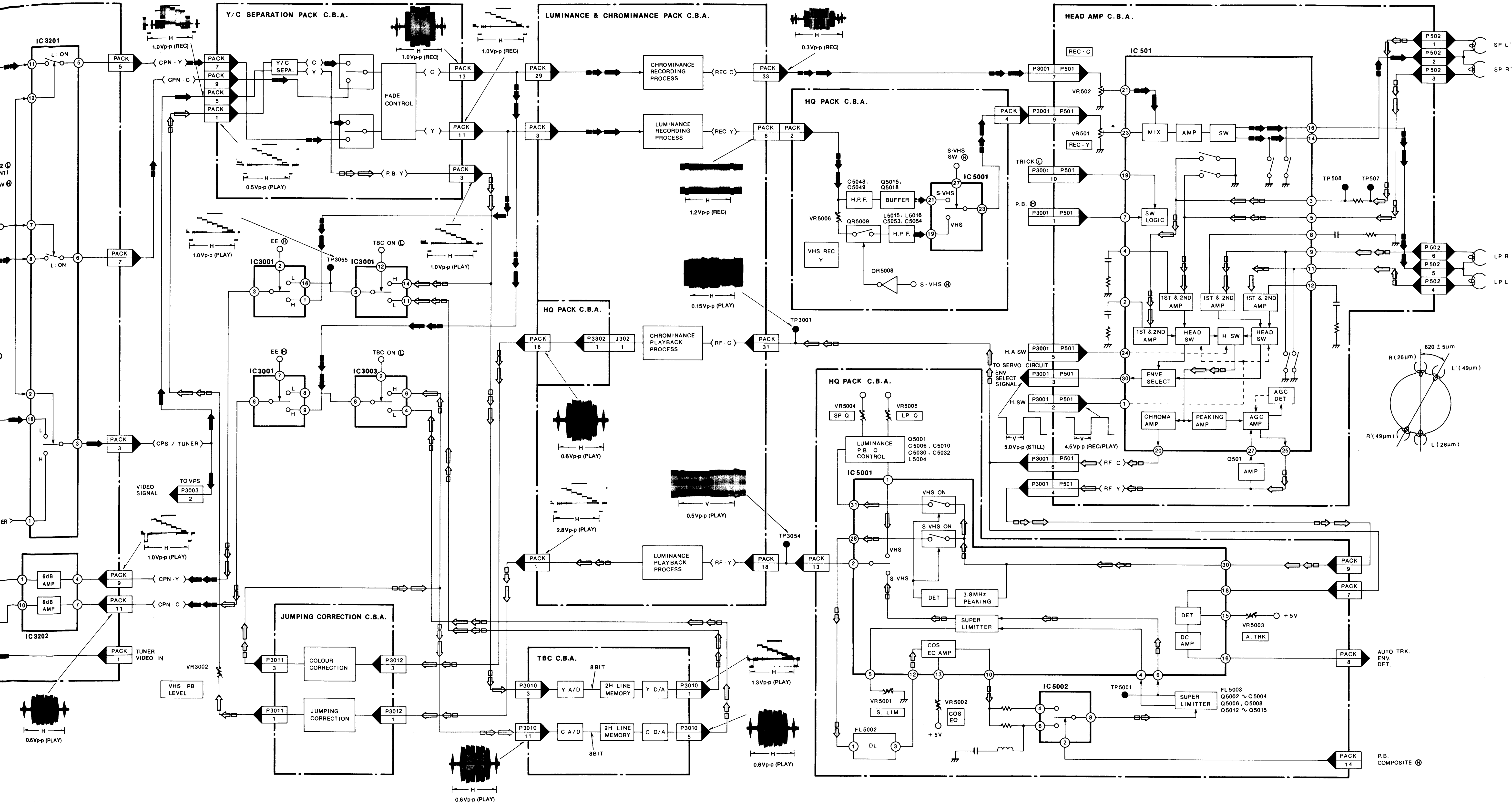
	LINE 1	LINE 2	PIN 2	PIN 4	PIN 8
LINE 1	L	H	H	L	PIN 1
LINE 2	H	L	L	L	PIN 6
EURO AV	H	H	L	H	—

	LINE 1	LINE 2	PIN15	PIN17	PIN20
LINE 1	L	H	L	H	PIN18
LINE 2	H	L	H	H	PIN16
EURO AV	H	H	H	L	PIN14

MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

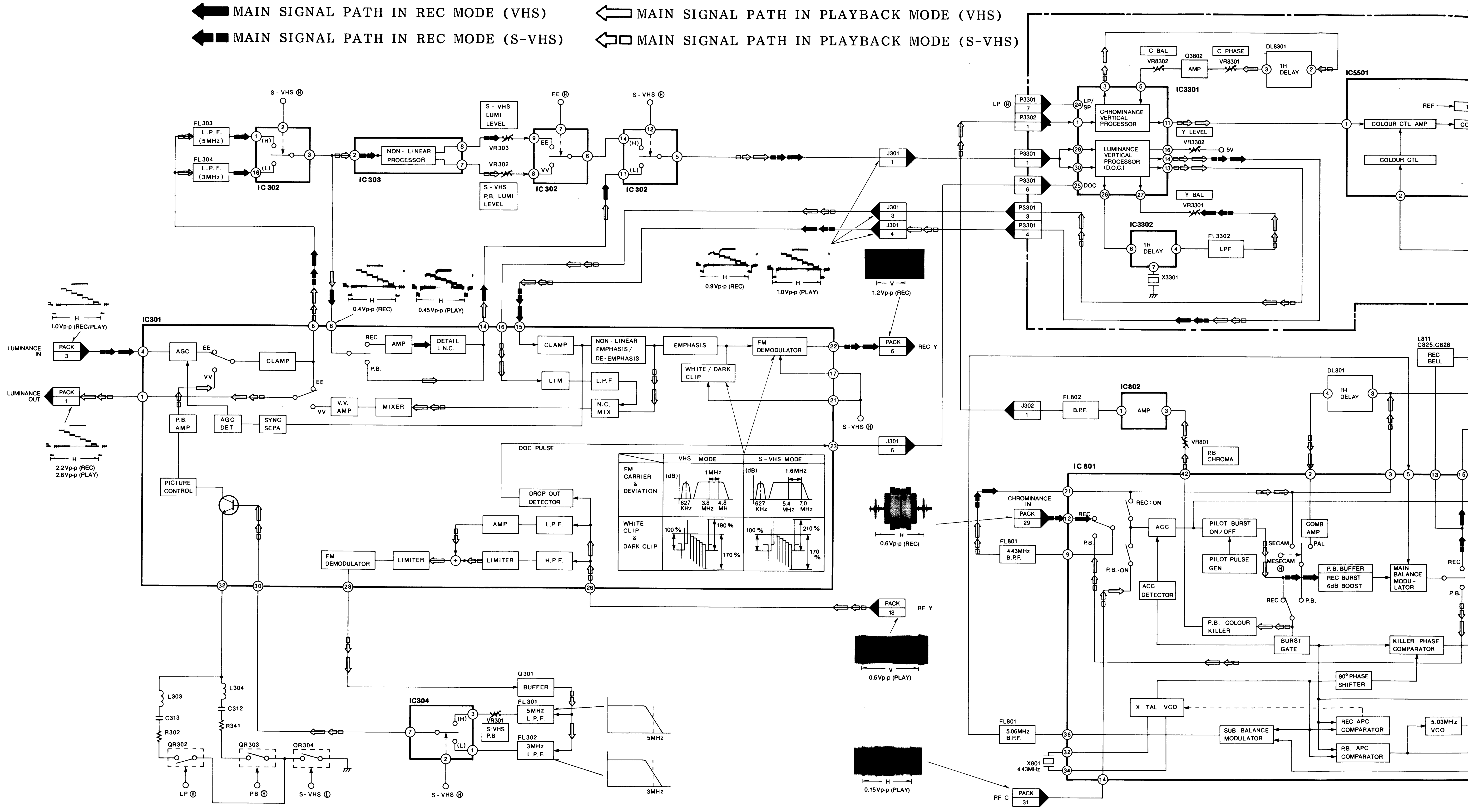
MAIN SIGNAL PATH IN REC MODE (S-VHS)

MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)


IC 3201
L : ON
PACK 5
PACK 7
PACK 3
CPN · Y
CPN · C
CPS / TUNER
VIDEO SIGNAL
TO VPS
P3003 2
IC 3202
6dB AMP
PACK 9
PACK 11
CPN · Y
CPN · C
PACK 1
TUNER VIDEO IN
VR3002
VHS PB LEVEL
0.8Vp-p (PLAY)
1.0Vp-p (REC)
1.0Vp-p (PLAY)
Y/C SEPARATION PACK C.B.A.
Y/C SEPA
FADE CONTROL
PACK 13
PACK 11
PACK 3
P.B. Y
0.5Vp-p (PLAY)
1.0Vp-p (REC)
TP3055
EE Ⓗ
TBC ON Ⓛ
IC3001
IC3003
JUMPING CORRECTION C.B.A.
P3011
P3012
COLOUR CORRECTION
JUMPING CORRECTION
TBC C.B.A.
P3010
Y A/D
C A/D
8BIT
2H LINE MEMORY
Y D/A
C D/A
0.6Vp-p (PLAY)
1.3Vp-p (PLAY)
2.8Vp-p (PLAY)
LUMINANCE & CHROMINANCE PACK C.B.A.
PACK 29
CHROMINANCE RECORDING PROCESS
LUMINANCE RECORDING PROCESS
CHROMINANCE PLAYBACK PROCESS
LUMINANCE PLAYBACK PROCESS
REC C
REC Y
RF · C
RF · Y
PACK 33
PACK 6
PACK 2
PACK 31
PACK 18
HQ PACK C.B.A.
P3302 J302
1.2Vp-p (REC)
0.15Vp-p (PLAY)
0.5Vp-p (PLAY)
0.3Vp-p (REC)
TP3001
TP3054
PACK 13
C5048, C5049
Q5015, Q5018
H.P.F.
BUFFER
L5015, L5016
C5053, C5054
VR5006
QR5009
QR5008
VHS REC Y
S-VHS SW Ⓗ
IC 5001
S-VHS
VHS
S · VHS Ⓗ
PACK 4
HQ PACK C.B.A.
VR5004 SP Q
VR5005 LP Q
LUMINANCE P.B. Q CONTROL
Q5001
C5006, C5010
C5030, C5032
L5004
VHS ON
S-VHS ON
DET
3.8MHz PEAKING
SUPER LIMITTER
COS EQ AMP
VR5001
S. LIM
VR5002
COS EQ
+5V
FL5002
DL
IC5002
TP5001
FL5003
Q5002 ∼ Q5004
Q5006, Q5008
Q5012 ∼ Q5015
DET
DC AMP
VR5003
A. TRK
HEAD AMP C.B.A.
IC 501
P3001
P501
REC · C
REC · Y
VR502
VR501
TRICK Ⓛ
P.B. Ⓗ
H.A.SW
TO SERVO CIRCUIT
ENV SELECT SIGNAL
H.SW
5.0Vp-p (STILL)
4.5Vp-p (REC/PLAY)
RF C
RF Y
MIX
AMP
SW
SW LOGIC
1ST & 2ND AMP
HEAD SW
H SW
ENVE SELECT
AGC DET
CHROMA AMP
PEAKING AMP
AGC AMP
Q501
TP508
TP507
P502
SP L'
SP R'
LP R
LP L
620 ± 5μm
R (26μm)
L' (49μm)
R' (49μm)
L (26μm)
PACK 9
PACK 7
PACK 8
AUTO TRK. ENV. DET.
PACK 14
P.B. COMPOSITE Ⓗ

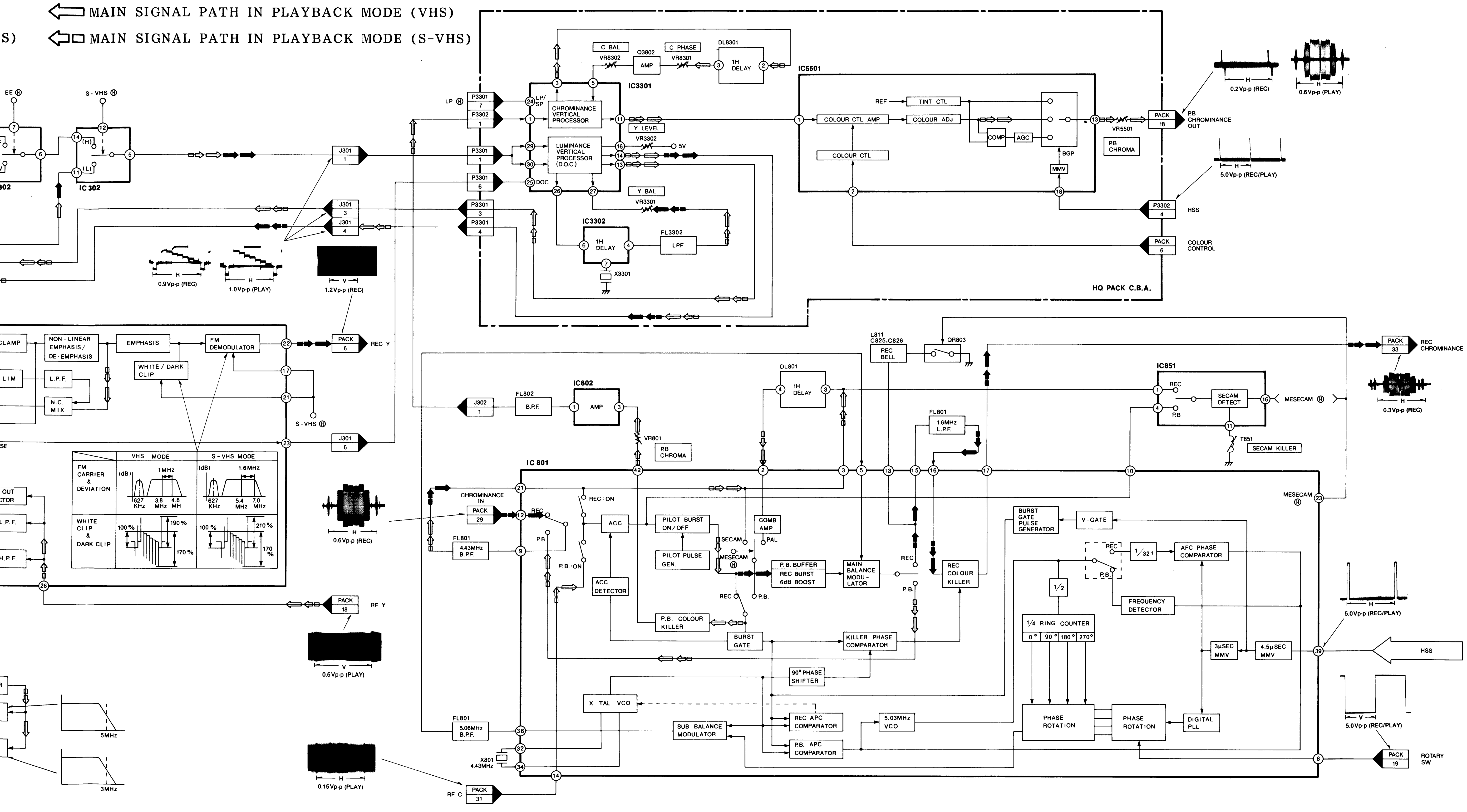
Next Page:
LUMI. & CHRO. PACK Section

3-7. LUMINANCE & CHROMINANCE PACK BLOCK DIAGRAM



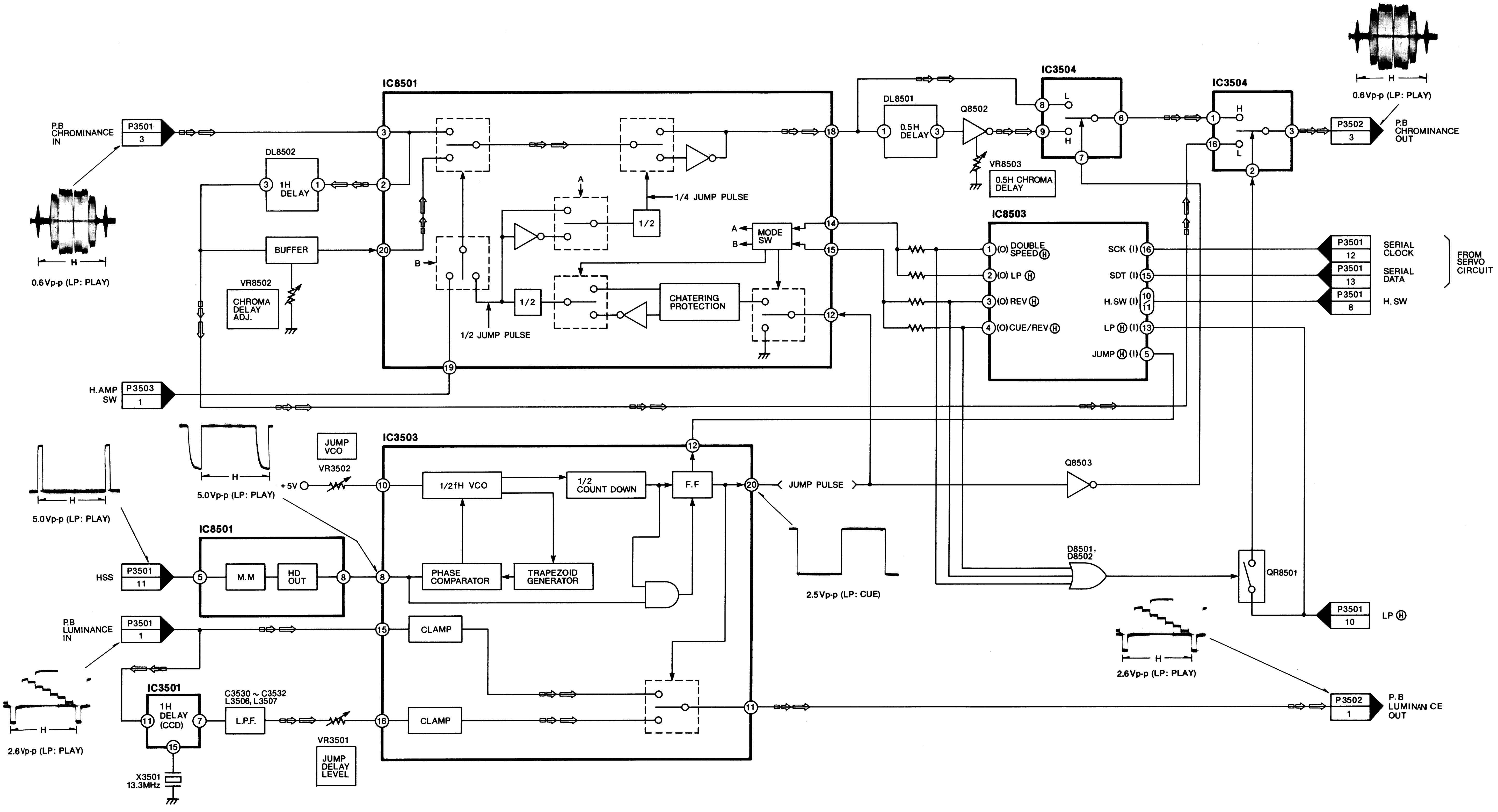
MAIN SIGNAL PATH IN REC MODE (VHS)
MAIN SIGNAL PATH IN REC MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
S-VHS Ⓗ
FL303 L.P.F. (5MHz)
FL304 L.P.F. (3MHz)
IC302
IC303
NON-LINEAR PROCESSOR
S-VHS LUMI LEVEL
VR303
VR302
S-VHS P.B. LUMI LEVEL
EE Ⓗ
EE
VV
J301
P3301
P3302
LP Ⓗ
LP/SP
CHROMINANCE VERTICAL PROCESSOR
LUMINANCE VERTICAL PROCESSOR (D.O.C.)
DOC
IC3301
IC3302
1H DELAY
X3301
FL3302 LPF
Y LEVEL
VR3302
5V
Y BAL
VR3301
C BAL
VR8302
Q3802
AMP
C PHASE
VR8301
DL8301
IC5501
REF
COLOUR CTL AMP
COLOUR CTL
0.4Vp-p (REC)
0.45Vp-p (PLAY)
0.9Vp-p (REC)
1.0Vp-p (PLAY)
1.2Vp-p (REC)
1.0Vp-p (REC/PLAY)
LUMINANCE IN
LUMINANCE OUT
PACK
IC301
AGC
CLAMP
REC
AMP
DETAIL L.N.C.
P.B.
V.V. AMP
MIXER
P.B. AMP
AGC DET
SYNC SEPA
PICTURE CONTROL
2.2Vp-p (REC)
2.8Vp-p (PLAY)
NON-LINEAR EMPHASIS/ DE-EMPHASIS
EMPHASIS
FM DEMODULATOR
WHITE / DARK CLIP
LIM
L.P.F.
N.C. MIX
REC Y
S-VHS Ⓗ
DOC PULSE
DROP OUT DETECTOR
AMP
L.P.F.
FM DEMODULATOR
LIMITER
H.P.F.
VHS MODE
S-VHS MODE
FM CARRIER & DEVIATION
(dB)
1MHz
627 KHz
3.8 MHz
4.8 MH
1.6MHz
5.4 MHz
7.0 MHz
WHITE CLIP & DARK CLIP
100%
190%
170%
210%
RF Y
0.5Vp-p (PLAY)
0.6Vp-p (REC)
0.15Vp-p (PLAY)
RF C
L303
C313
R302
QR302
L304
C312
R341
QR303
QR304
LP Ⓗ
P.B. Ⓗ
S-VHS Ⓛ
IC304
S-VHS Ⓗ
Q301 BUFFER
FL301 5MHz L.P.F.
VR301 S-VHS P.B
FL302 3MHz L.P.F.
5MHz
3MHz
J302
FL802 B.P.F.
IC802
AMP
VR801
PB CHROMA
IC801
CHROMINANCE IN
REC : ON
P.B. : ON
FL801 4.43MHz B.P.F.
ACC
ACC DETECTOR
PILOT BURST ON/OFF
PILOT PULSE GEN.
P.B. COLOUR KILLER
BURST GATE
SECAM
MESECAM Ⓗ
PAL
COMB AMP
DL801 1H DELAY
P.B. BUFFER REC BURST 6dB BOOST
MAIN BALANCE MODU-LATOR
KILLER PHASE COMPARATOR
90° PHASE SHIFTER
X TAL VCO
SUB BALANCE MODULATOR
REC APC COMPARATOR
P.B. APC COMPARATOR
5.03MHz VCO
FL801 5.06MHz B.P.F.
X801 4.43MHz
L811 C825, C826
REC BELL

AM


MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
S)
MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
EE Ⓗ
S-VHS Ⓗ
IC 302
(H)
(L)
J301 1
J301 3
J301 4
J301 6
0.9Vp-p (REC)
1.0Vp-p (PLAY)
1.2Vp-p (REC)
LP Ⓗ
P3301 7
P3302 1
P3301 1
P3301 6
P3301 3
P3301 4
LP/SP
DOC
CHROMINANCE VERTICAL PROCESSOR
LUMINANCE VERTICAL PROCESSOR (D.O.C.)
IC3301
C BAL
VR8302
Q3802
AMP
C PHASE
VR8301
DL8301
1H DELAY
Y LEVEL
VR3302
5V
Y BAL
VR3301
IC3302
1H DELAY
FL3302
LPF
X3301
IC5501
REF
TINT CTL
COLOUR CTL AMP
COLOUR ADJ
COMP
AGC
COLOUR CTL
BGP
MMV
VR5501
PB CHROMA
PACK 18
PB CHROMINANCE OUT
0.2Vp-p (REC)
0.6Vp-p (PLAY)
5.0Vp-p (REC/PLAY)
P3302 4
HSS
PACK 6
COLOUR CONTROL
HQ PACK C.B.A.
CLAMP
NON-LINEAR EMPHASIS / DE-EMPHASIS
EMPHASIS
FM DEMODULATOR
WHITE / DARK CLIP
LIM
L.P.F.
N.C. MIX
REC Y
S-VHS Ⓗ
SE
VHS MODE
S-VHS MODE
FM CARRIER & DEVIATION
(dB)
1MHz
627 KHz
3.8 MHz
4.8 MH
1.6MHz
5.4 MHz
7.0 MHz
WHITE CLIP & DARK CLIP
100%
190%
170%
210%
OUT
CTOR
L.P.F.
H.P.F.
PACK 18
RF Y
0.5Vp-p (PLAY)
5MHz
3MHz
0.6Vp-p (REC)
0.15Vp-p (PLAY)
RF C
PACK 31
J302 1
FL802
B.P.F.
IC802
AMP
VR801
PB CHROMA
IC 801
CHROMINANCE IN
PACK 29
REC
P.B.
FL801
4.43MHz B.P.F.
REC : ON
P.B. : ON
ACC
ACC DETECTOR
PILOT BURST ON/OFF
PILOT PULSE GEN.
SECAM
MESECAM Ⓗ
PAL
COMB AMP
DL801
1H DELAY
P.B. BUFFER
REC BURST 6dB BOOST
MAIN BALANCE MODULATOR
P.B. COLOUR KILLER
BURST GATE
KILLER PHASE COMPARATOR
90° PHASE SHIFTER
X TAL VCO
SUB BALANCE MODULATOR
REC APC COMPARATOR
P.B. APC COMPARATOR
5.03MHz VCO
5.06MHz B.P.F.
X801 4.43MHz
L811 C825, C826
REC BELL
QR803
1.6MHz L.P.F.
REC COLOUR KILLER
BURST GATE PULSE GENERATOR
V-GATE
1/321
AFC PHASE COMPARATOR
1/2
FREQUENCY DETECTOR
1/4 RING COUNTER
0°
90°
180°
270°
3μSEC MMV
4.5μSEC MMV
PHASE ROTATION
PHASE ROTATION
DIGITAL PLL
IC851
SECAM DETECT
MESECAM Ⓗ
T851
SECAM KILLER
PACK 33
REC CHROMINANCE
0.3Vp-p (REC)
MESECAM Ⓗ
5.0Vp-p (REC/PLAY)
HSS
5.0Vp-p (REC/PLAY)
PACK 19
ROTARY SW
H
V

3-8. JUMPING CORRECTION BLOCK DIAGRAM

⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)   ⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

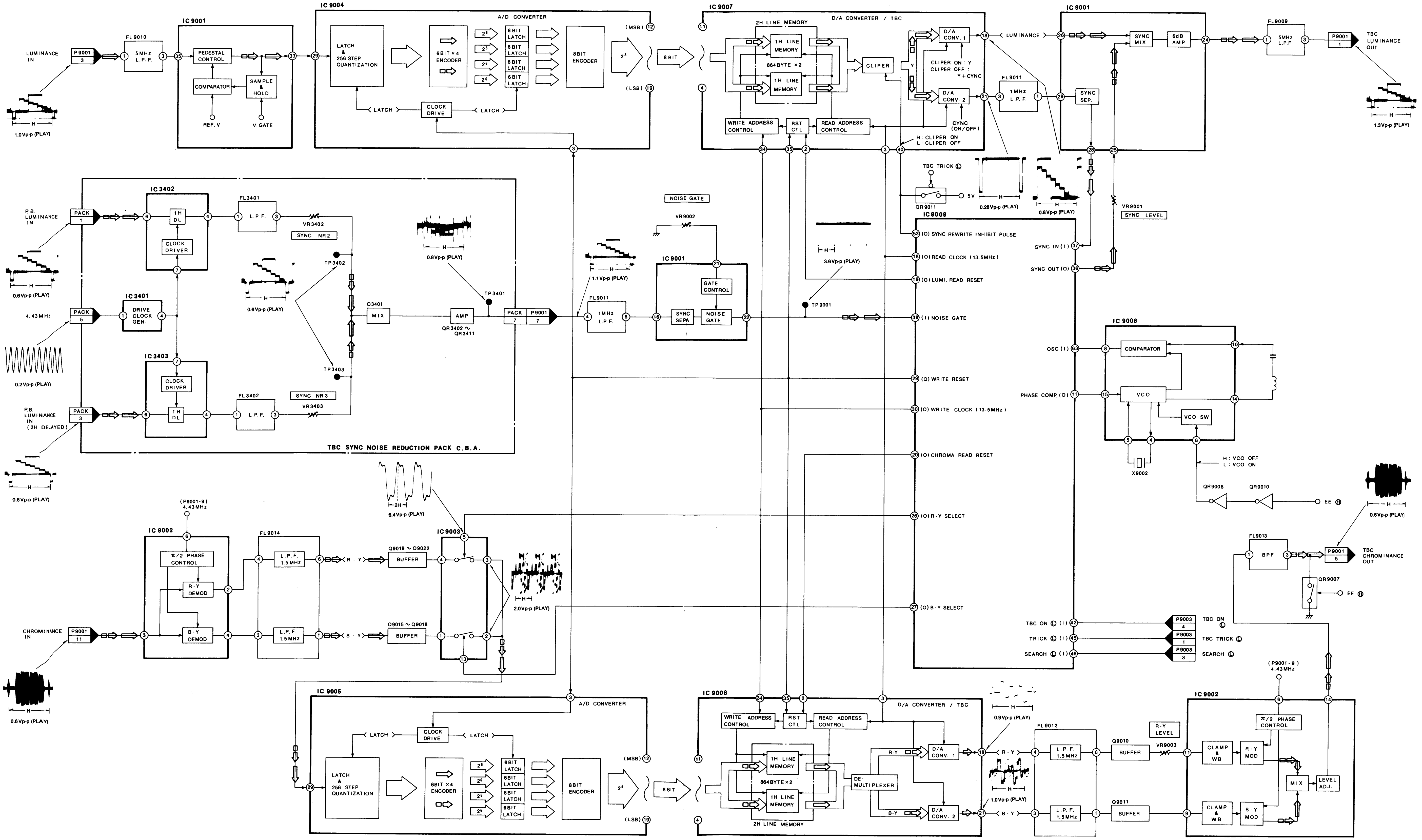


IC8501
P.B CHROMINANCE IN
P3501 3
DL8502
1H DELAY
BUFFER
VR8502
CHROMA DELAY ADJ.
0.6Vp-p (LP: PLAY)
H
A
B
1/2
1/4 JUMP PULSE
1/2 JUMP PULSE
MODE SW
CHATERING PROTECTION
H.AMP SW
P3503 1
DL8501
0.5H DELAY
Q8502
VR8503
0.5H CHROMA DELAY
IC3504
L
H
IC8503
(O) DOUBLE SPEED Ⓗ
(O) LP Ⓗ
(O) REV Ⓗ
(O) CUE/REV Ⓗ
SCK (I)
SDT (I)
H.SW (I)
LP Ⓗ (I)
JUMP Ⓗ (I)
P3502 3
P.B CHROMINANCE OUT
P3501 12
SERIAL CLOCK
P3501 13
SERIAL DATA
P3501 8
H.SW
FROM SERVO CIRCUIT
5.0Vp-p (LP: PLAY)
JUMP VCO
VR3502
+5V
IC3503
1/2fH VCO
1/2 COUNT DOWN
F.F
JUMP PULSE
Q8503
PHASE COMPARATOR
TRAPEZOID GENERATOR
2.5Vp-p (LP: CUE)
D8501, D8502
QR8501
P3501 10
LP Ⓗ
HSS
P3501 11
M.M
HD OUT
P.B LUMINANCE IN
P3501 1
CLAMP
IC3501
1H DELAY (CCD)
X3501 13.3MHz
C3530 ~ C3532
L3506, L3507
L.P.F.
VR3501
JUMP DELAY LEVEL
2.6Vp-p (LP: PLAY)
P3502 1
P.B LUMINANCE OUT

3-9. TBC BLOCK DIAGRAM

⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

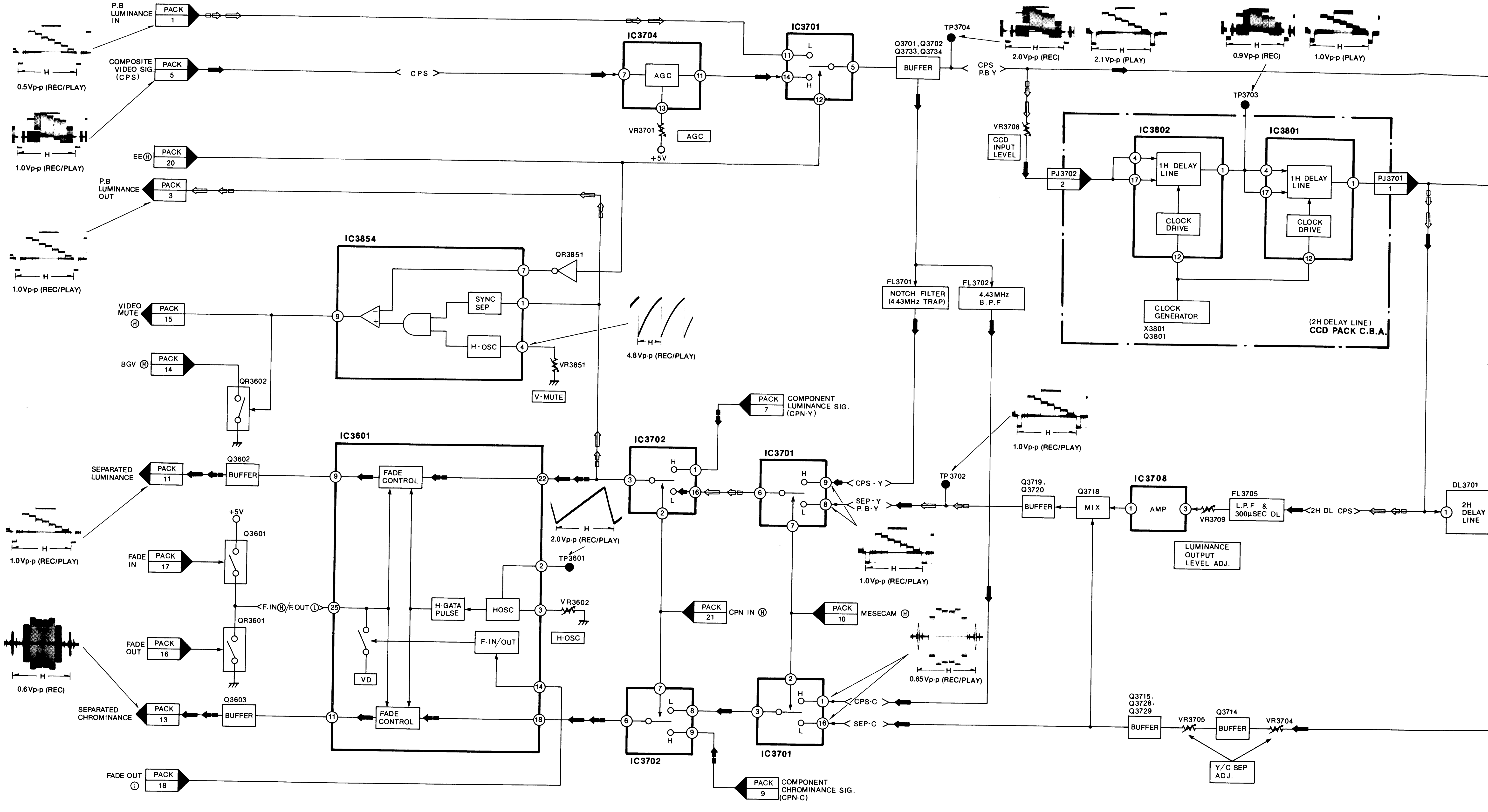


LUMINANCE IN
P9001 3
1.0Vp-p (PLAY)
FL9010 5MHz L.P.F.
IC 9001
PEDESTAL CONTROL
COMPARATOR
SAMPLE & HOLD
REF. V
V. GATE
IC 9004
A/D CONVERTER
LATCH & 256 STEP QUANTIZATION
6BIT × 4 ENCODER
6BIT LATCH
8BIT ENCODER
(MSB)
(LSB)
8 BIT
CLOCK DRIVE
LATCH
IC 9007
D/A CONVERTER / TBC
2H LINE MEMORY
1H LINE MEMORY
864BYTE × 2
WRITE ADDRESS CONTROL
RST CTL
READ ADDRESS CONTROL
CLIPER
D/A CONV. 1
D/A CONV. 2
CLIPER ON : Y
CLIPER OFF : Y + CYNC
CYNC (ON/OFF)
H : CLIPER ON
L : CLIPER OFF
LUMINANCE
FL9011 1MHz L.P.F.
SYNC MIX
6dB AMP
SYNC SEP.
FL9009 5MHz L.P.F
P9001 1
TBC LUMINANCE OUT
1.3Vp-p (PLAY)
TBC TRICK Ⓛ
QR9011
5V
0.28Vp-p (PLAY)
0.8Vp-p (PLAY)
VR9001 SYNC LEVEL
IC 9009
(O) SYNC REWRITE INHIBIT PULSE
(O) READ CLOCK (13.5MHz)
(O) LUMI. READ RESET
(I) NOISE GATE
(O) WRITE RESET
(O) WRITE CLOCK (13.5MHz)
(O) CHROMA READ RESET
(O) R-Y SELECT
(O) B-Y SELECT
SYNC IN (I)
SYNC OUT (O)
OSC (I)
PHASE COMP. (O)
TBC ON Ⓛ (I)
TRICK Ⓛ (I)
SEARCH Ⓛ (I)
IC 9006
COMPARATOR
VCO
VCO SW
X9002
H : VCO OFF
L : VCO ON
QR9008
QR9010
EE Ⓗ
P.B. LUMINANCE IN
PACK 1
0.6Vp-p (PLAY)
IC 3402
1H DL
CLOCK DRIVER
FL3401 L.P.F.
VR3402 SYNC NR2
TP3402
4.43MHz
PACK 5
IC 3401
DRIVE CLOCK GEN.
0.2Vp-p (PLAY)
IC 3403
P.B. LUMINANCE IN (2H DELAYED)
PACK 3
FL3402 L.P.F.
SYNC NR3 VR3403
TP3403
Q3401 MIX
AMP
QR3402 ~ QR3411
TP3401
0.8Vp-p (PLAY)
PACK 7
P9001 7
TBC SYNC NOISE REDUCTION PACK C.B.A.
1.1Vp-p (PLAY)
FL9011 1MHz L.P.F.
NOISE GATE
VR9002
IC 9001
GATE CONTROL
SYNC SEPA
NOISE GATE
3.6Vp-p (PLAY)
TP9001
6.4Vp-p (PLAY)
2H
(P9001-9) 4.43MHz
IC 9002
π/2 PHASE CONTROL
R-Y DEMOD
B-Y DEMOD
CHROMINANCE IN
P9001 11
0.6Vp-p (PLAY)
FL9014 L.P.F. 1.5MHz
Q9019 ~ Q9022 BUFFER
Q9015 ~ Q9018 BUFFER
R-Y
B-Y
IC 9003
2.0Vp-p (PLAY)
IC 9005
A/D CONVERTER
CLOCK DRIVE
LATCH
LATCH & 256 STEP QUANTIZATION
6BIT × 4 ENCODER
6BIT LATCH
8BIT ENCODER
(MSB)
(LSB)
8 BIT
IC 9008
D/A CONVERTER / TBC
WRITE ADDRESS CONTROL
RST CTL
READ ADDRESS CONTROL
1H LINE MEMORY
864BYTE × 2
2H LINE MEMORY
DE-MULTIPLEXER
D/A CONV. 1
D/A CONV. 2
0.9Vp-p (PLAY)
1.0Vp-p (PLAY)
FL9012 L.P.F. 1.5MHz
Q9010 BUFFER
Q9011 BUFFER
R-Y LEVEL VR9003
IC 9002
(P9001-9) 4.43MHz
π/2 PHASE CONTROL
CLAMP & WB
R-Y MOD
B-Y MOD
MIX
LEVEL ADJ.
FL9013 BPF
P9001 5
TBC CHROMINANCE OUT
0.6Vp-p (PLAY)
QR9007
EE Ⓗ
P9003 4
P9003 1
P9003 3
TBC ON Ⓛ
TBC TRICK Ⓛ
SEARCH Ⓛ

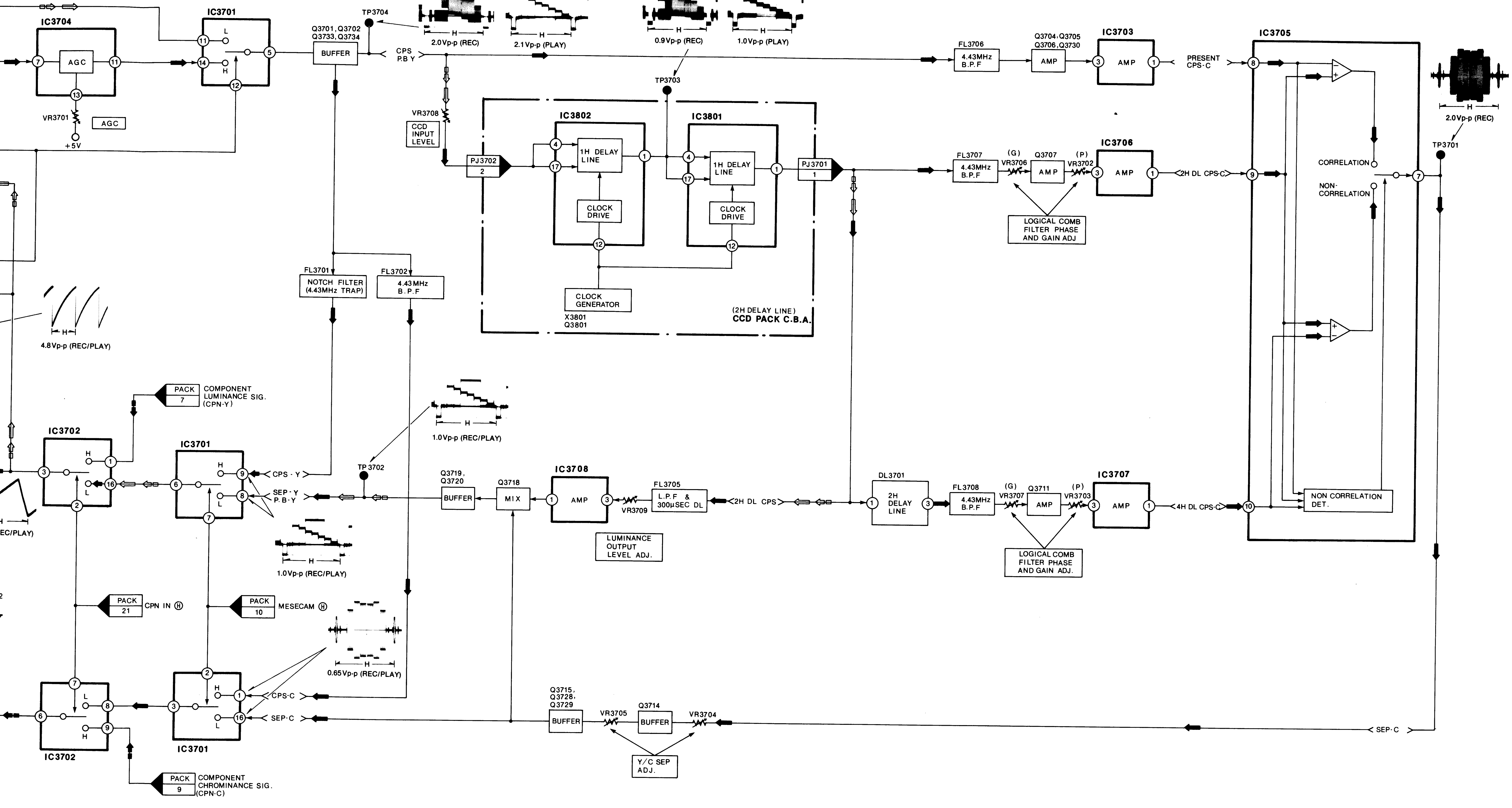
Back Page:
JUMPING CORRECTION Section

3-10. Y/C SEPARATION PACK BLOCK DIAGRAM

MAIN SIGNAL PATH IN REC MODE (VHS) MAIN SIGNAL PATH IN PLAYBACK MODE (VHS) MAIN SIGNAL PATH IN REC MODE (S-VHS) MAIN SIGNAL PAT


P.B LUMINANCE IN
PACK 1
COMPOSITE VIDEO SIG. (CPS)
PACK 5
0.5Vp-p (REC/PLAY)
1.0Vp-p (REC/PLAY)
EE Ⓗ
PACK 20
P.B LUMINANCE OUT
PACK 3
1.0Vp-p (REC/PLAY)
CPS
IC3704
AGC
VR3701
+5V
AGC
IC3701
L
H
Q3701, Q3702
Q3733, Q3734
BUFFER
TP3704
CPS P.B Y
2.0Vp-p (REC)
2.1Vp-p (PLAY)
0.9Vp-p (REC)
1.0Vp-p (PLAY)
TP3703
VR3708
CCD INPUT LEVEL
PJ3702
2
IC3802
1H DELAY LINE
CLOCK DRIVE
IC3801
1H DELAY LINE
CLOCK DRIVE
PJ3701
1
CLOCK GENERATOR
X3801
Q3801
(2H DELAY LINE)
CCD PACK C.B.A.
IC3854
QR3851
SYNC SEP
H-OSC
VR3851
V-MUTE
4.8Vp-p (REC/PLAY)
VIDEO MUTE Ⓗ
PACK 15
BGV Ⓗ
PACK 14
QR3602
FL3701
NOTCH FILTER (4.43MHz TRAP)
FL3702
4.43MHz B.P.F
PACK 7
COMPONENT LUMINANCE SIG. (CPN-Y)
1.0Vp-p (REC/PLAY)
IC3601
SEPARATED LUMINANCE
PACK 11
Q3602
BUFFER
FADE CONTROL
IC3702
IC3701
CPS-Y
SEP-Y P.B-Y
TP3702
Q3719, Q3720
BUFFER
Q3718
MIX
IC3708
AMP
VR3709
FL3705
L.P.F & 300μSEC DL
2H DL CPS
DL3701
2H DELAY LINE
LUMINANCE OUTPUT LEVEL ADJ.
2.0Vp-p (REC/PLAY)
TP3601
1.0Vp-p (REC/PLAY)
1.0Vp-p (REC/PLAY)
+5V
Q3601
FADE IN
PACK 17
F.IN Ⓗ/F.OUT Ⓛ
QR3601
FADE OUT
PACK 16
H-GATA PULSE
HOSC
VR3602
H-OSC
F.IN/OUT
VD
PACK 21
CPN IN Ⓗ
PACK 10
MESECAM Ⓗ
0.65Vp-p (REC/PLAY)
0.6Vp-p (REC)
SEPARATED CHROMINANCE
PACK 13
Q3603
BUFFER
FADE CONTROL
CPS-C
SEP-C
Q3715, Q3728, Q3729
BUFFER
VR3705
Q3714
BUFFER
VR3704
Y/C SEP ADJ.
FADE OUT Ⓛ
PACK 18
PACK 9
COMPONENT CHROMINANCE SIG. (CPN-C)
IC3702
IC3701

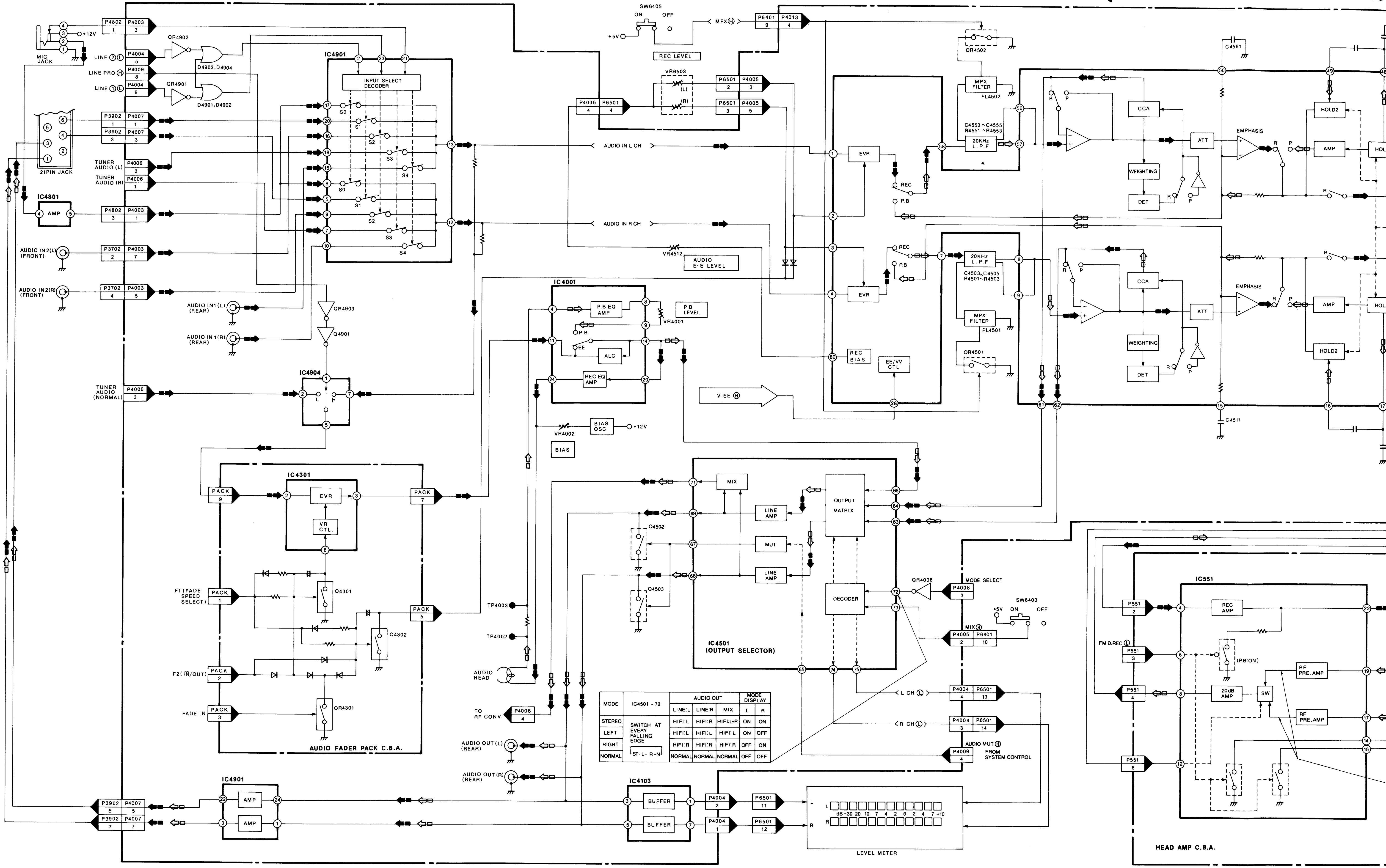
L PATH IN PLAYBACK MODE (VHS) ◀■ MAIN SIGNAL PATH IN REC MODE (S-VHS) ⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)


IC3704
AGC
VR3701
AGC
+5V
IC3701
L
H
Q3701, Q3702
Q3733, Q3734
BUFFER
TP3704
CPS
P.B Y
2.0Vp-p (REC)
2.1Vp-p (PLAY)
0.9Vp-p (REC)
1.0Vp-p (PLAY)
TP3703
VR3708
CCD INPUT LEVEL
PJ3702
IC3802
1H DELAY LINE
CLOCK DRIVE
IC3801
1H DELAY LINE
CLOCK DRIVE
PJ3701
CLOCK GENERATOR
X3801
Q3801
(2H DELAY LINE)
CCD PACK C.B.A.
FL3701
NOTCH FILTER (4.43MHz TRAP)
FL3702
4.43MHz B.P.F
4.8Vp-p (REC/PLAY)
FL3706
4.43MHz B.P.F
Q3704, Q3705
Q3706, Q3730
AMP
IC3703
AMP
PRESENT CPS-C
FL3707
4.43MHz B.P.F
(G)
VR3706
Q3707
AMP
(P)
VR3702
IC3706
AMP
2H DL CPS-C
LOGICAL COMB FILTER PHASE AND GAIN ADJ
IC3705
CORRELATION
NON-CORRELATION
NON CORRELATION DET.
2.0Vp-p (REC)
TP3701
PACK 7
COMPONENT LUMINANCE SIG. (CPN-Y)
IC3702
IC3701
CPS-Y
SEP-Y
P.B-Y
TP3702
1.0Vp-p (REC/PLAY)
Q3719, Q3720
BUFFER
Q3718
MIX
IC3708
AMP
VR3709
FL3705
L.P.F & 300μSEC DL
2H DL CPS
LUMINANCE OUTPUT LEVEL ADJ.
1.0Vp-p (REC/PLAY)
DL3701
2H DELAY LINE
FL3708
4.43MHz B.P.F
(G)
VR3707
Q3711
AMP
(P)
VR3703
IC3707
AMP
4H DL CPS-C
LOGICAL COMB FILTER PHASE AND GAIN ADJ.
PACK 21
CPN IN Ⓗ
PACK 10
MESECAM Ⓗ
0.65Vp-p (REC/PLAY)
CPS-C
SEP-C
IC3702
IC3701
Q3715, Q3728, Q3729
BUFFER
VR3705
Q3714
BUFFER
VR3704
Y/C SEP ADJ.
SEP-C
PACK 9
COMPONENT CHROMINANCE SIG. (CPN-C)
EC/PLAY)

Next Page:
AUDIO Section

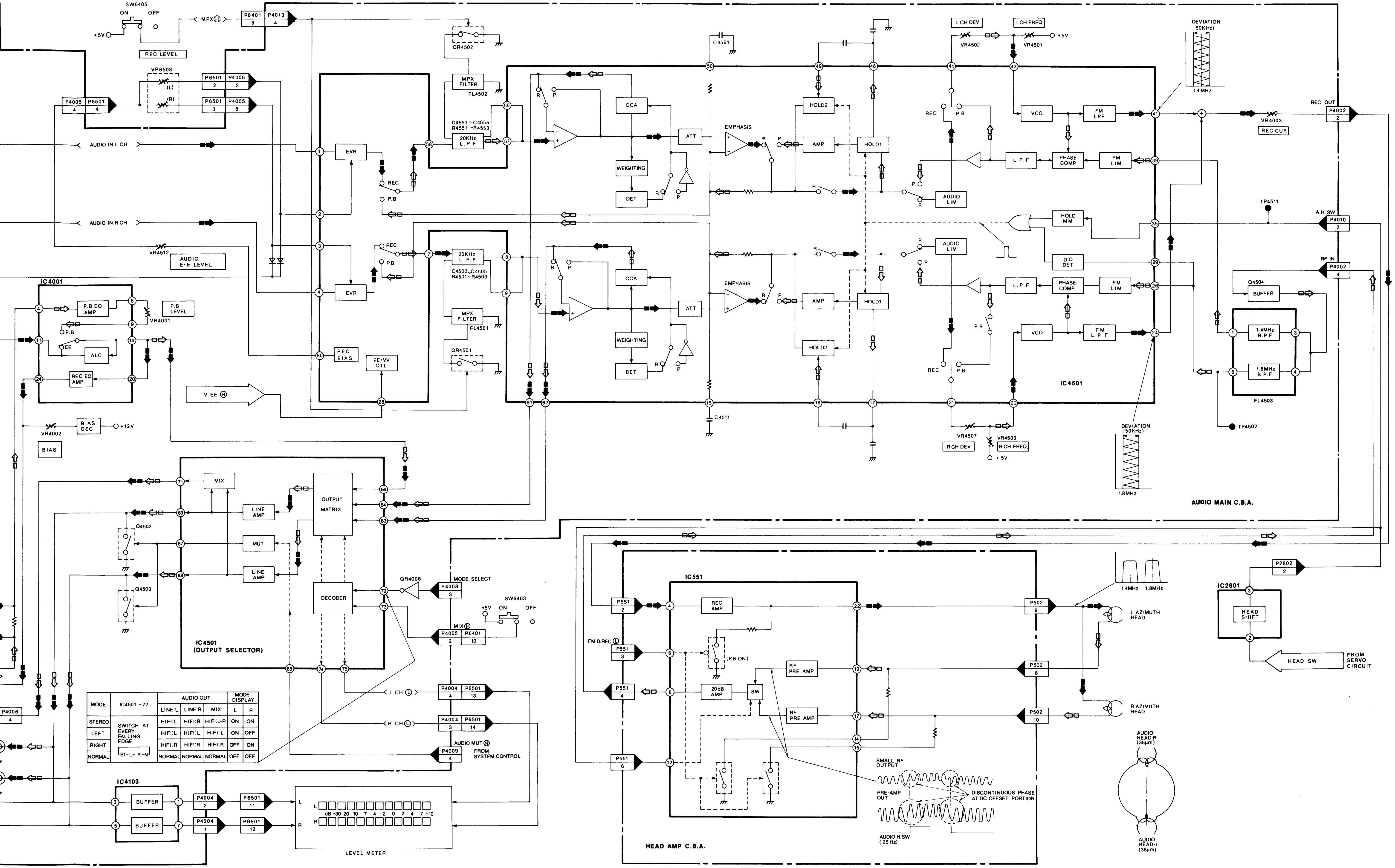
3-11. AUDIO BLOCK DIAGRAM

◀■ MAIN SIGNAL PATH IN REC MODE ⇦□ MAIN SIGNAL PATH IN PLAYBAC


MIC JACK
+12V
LINE ②Ⓛ
LINE PRO Ⓗ
LINE ①Ⓛ
P4802
P4003
P4004
P4009
QR4902
QR4901
D4903, D4904
D4901, D4902
IC4901
INPUT SELECT DECODER
S0
S1
S2
S3
S4
21PIN JACK
P3902
P4007
TUNER AUDIO (L)
TUNER AUDIO (R)
P4006
IC4801
AMP
AUDIO IN 2(L) (FRONT)
AUDIO IN 2(R) (FRONT)
P3702
AUDIO IN1(L) (REAR)
AUDIO IN 1(R) (REAR)
QR4903
Q4901
IC4904
TUNER AUDIO (NORMAL)
IC4301
EVR
VR CTL.
PACK
F1 (FADE SPEED SELECT)
F2 (IN/OUT)
FADE IN
Q4301
Q4302
QR4301
AUDIO FADER PACK C.B.A.
SW6405
ON
OFF
+5V
MPX Ⓗ
P6401
P4013
REC LEVEL
VR6503
P6501
P4005
AUDIO IN L CH
AUDIO IN R CH
VR4512
AUDIO E·E LEVEL
IC4001
P.B EQ AMP
P.B LEVEL
VR4001
ALC
REC EQ AMP
P.B
EE
V.EE Ⓗ
BIAS OSC
VR4002
BIAS
TP4003
TP4002
AUDIO HEAD
TO RF CONV.
AUDIO OUT (L) (REAR)
AUDIO OUT (R) (REAR)
IC4103
BUFFER
IC4501 (OUTPUT SELECTOR)
MIX
LINE AMP
MUT
OUTPUT MATRIX
DECODER
Q4502
Q4503
QR4006
MODE SELECT
P4008
SW6403
MIX Ⓗ
P4004
L CH Ⓛ
R CH Ⓛ
AUDIO MUT Ⓗ
P4009
FROM SYSTEM CONTROL
LEVEL METER
dB -30 20 10 7 4 2 0 2 4 7 +10
QR4502
MPX FILTER
FL4502
C4553～C4555
R4551～R4553
20KHz L.P.F
C4503～C4505
R4501～R4503
FL4501
QR4501
REC
REC BIAS
EE/VV CTL
CCA
WEIGHTING
DET
ATT
EMPHASIS
HOLD2
AMP
C4561
C4511
IC551
REC AMP
FM D.REC Ⓛ
P551
(P.B:ON)
20dB AMP
SW
RF PRE. AMP
HEAD AMP C.B.A.

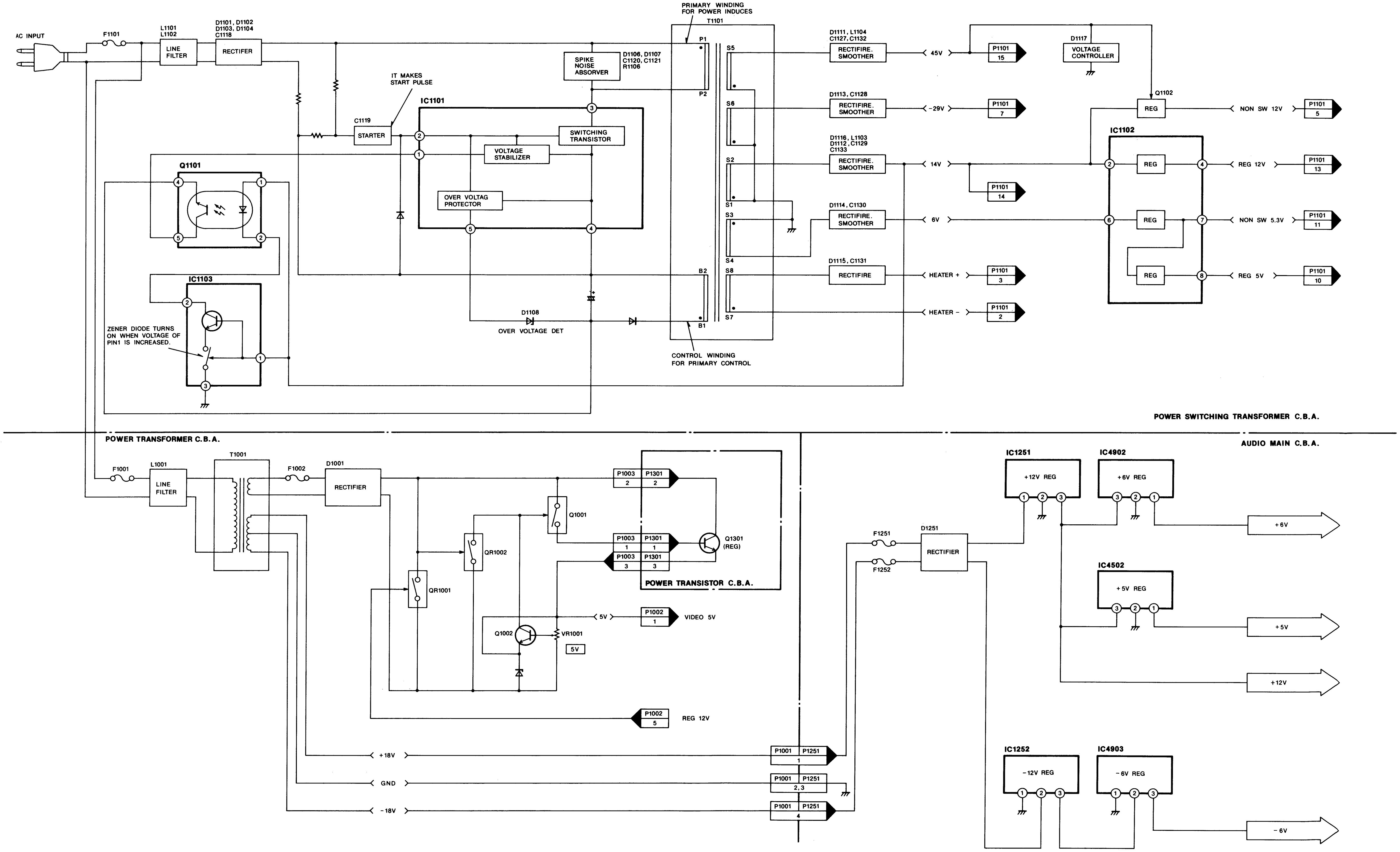
MODE	IC4501 - 72	AUDIO OUT			MODE DISPLAY	
		LINE:L	LINE:R	MIX	L	R
STEREO	SWITCH AT EVERY FALLING EDGE ST-L-R-N	HIFI:L	HIFI:R	HIFI:L+R	ON	ON
LEFT		HIFI:L	HIFI:L	HIFI:L	ON	OFF
RIGHT		HIFI:R	HIFI:R	HIFI:R	OFF	ON
NORMAL		NORMAL	NORMAL	NORMAL	OFF	OFF

◀■ MAIN SIGNAL PATH IN REC MODE   ◁□ MAIN SIGNAL PATH IN PLAYBACK MODE

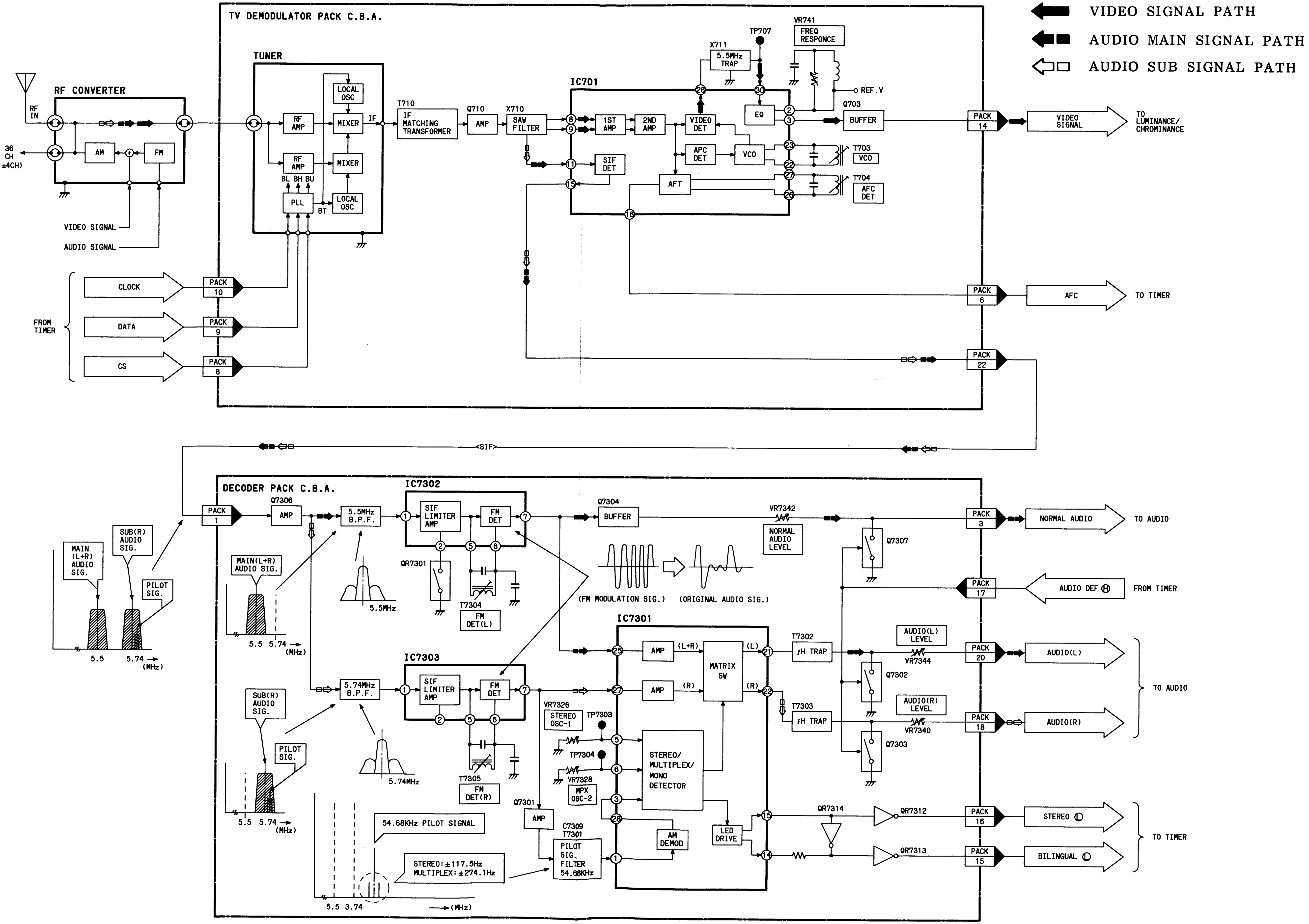

SW6405
ON
OFF
+5V
MPX Ⓗ
P6401 9
P4013 4
REC LEVEL
VR6503
(L)
(R)
P6501 2
P4005 3
P6501 3
P4005 5
P4005 4
P6501 4
AUDIO IN L CH
AUDIO IN R CH
VR4512
AUDIO E·E LEVEL
IC4001
P.B EQ AMP
P.B LEVEL
VR4001
P.B
EE
ALC
REC EQ AMP
V.EE Ⓗ
BIAS OSC
+12V
VR4002
BIAS
QR4502
MPX FILTER
FL4502
C4553~C4555
R4551~R4553
20KHz L.P.F
EVR
REC
P.B
20KHz L.P.F
C4503~C4505
R4501~R4503
MPX FILTER
FL4501
QR4501
REC BIAS
EE/VV CTL
CCA
WEIGHTING
DET
ATT
EMPHASIS
C4561
C4511
HOLD2
AMP
HOLD1
LCH DEV
LCH FREQ
VR4502
VR4501
+5V
VCO
FM LPF
L.P.F
PHASE COMP.
FM LIM
AUDIO LIM
HOLD MM
D.O DET
FM L.P.F
IC4501
DEVIATION 50KHz)
1.4 MHz
REC OUT
P4002 2
VR4003
REC CUR
TP4511
A.H.SW
P4010 2
RF IN
P4002 4
Q4504
BUFFER
1.4MHz B.P.F
1.8MHz B.P.F
FL4503
TP4502
VR4507
VR4509
RCH DEV
RCH FREQ
DEVIATION (50KHz)
1.8MHz
AUDIO MAIN C.B.A.
IC4501 (OUTPUT SELECTOR)
MIX
LINE AMP
MUT
Q4502
Q4503
OUTPUT MATRIX
DECODER
QR4006
MODE SELECT
P4008 3
SW6403
MIX Ⓗ
P4005 2
P6401 10
L CH Ⓛ
R CH Ⓛ
P4004 4
P6501 13
P4004 3
P6501 14
AUDIO MUT Ⓗ
P4009 4
FROM SYSTEM CONTROL
P4006 4
IC4103
BUFFER
P4004 2
P6501 11
P4004 1
P6501 12
dB -30 20 10 7 4 2 0 2 4 7 +10
LEVEL METER
IC551
P551 2
P551 3
P551 4
P551 6
FM D.REC Ⓛ
REC AMP
(P.B:ON)
20dB AMP
SW
RF PRE. AMP
P502 9
P502 8
P502 10
1.4MHz 1.8MHz
L AZIMUTH HEAD
R AZIMUTH HEAD
SMALL RF OUTPUT
PRE-AMP OUT
DISCONTINUOUS PHASE AT DC OFFSET PORTION
AUDIO H.SW (25Hz)
HEAD AMP C.B.A.
IC2801
P2802 2
HEAD SHIFT
HEAD SW
FROM SERVO CIRCUIT
AUDIO HEAD·R (36μm)
AUDIO HEAD·L (36μm)

MODE	IC4501 - 72	AUDIO OUT			MODE DISPLAY	
		LINE:L	LINE:R	MIX	L	R
STEREO	SWITCH AT EVERY FALLING EDGE ST-L-R-N	HIFI:L	HIFI:R	HIFI:L+R	ON	ON
LEFT		HIFI:L	HIFI:L	HIFI:L	ON	OFF
RIGHT		HIFI:R	HIFI:R	HIFI:R	OFF	ON
NORMAL		NORMAL	NORMAL	NORMAL	OFF	OFF

3-12. POWER BLOCK DIAGRAM

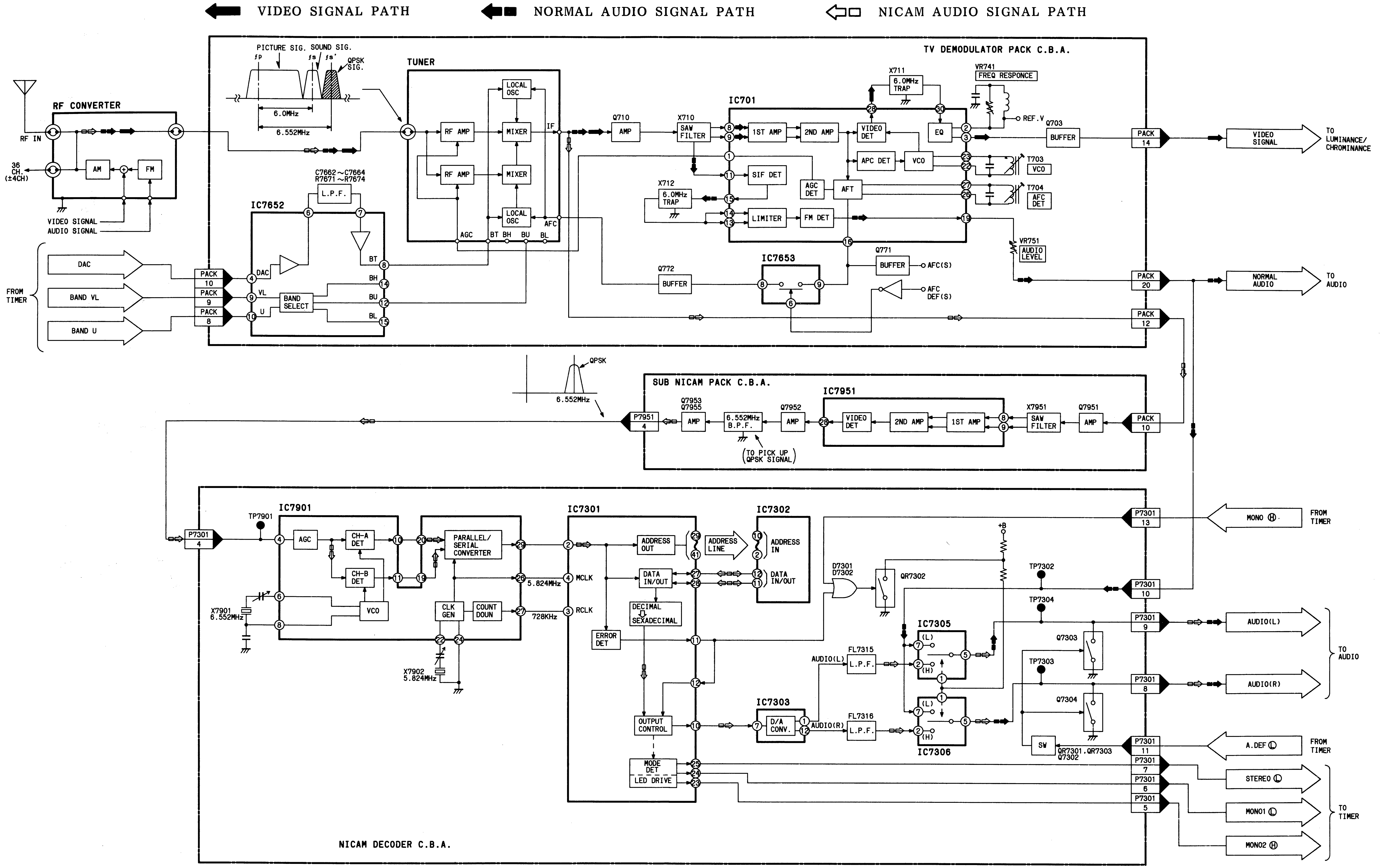

AC INPUT
F1101
L1101
L1102
LINE FILTER
D1101, D1102
D1103, D1104
C1118
RECTIFER
IT MAKES START PULSE
C1119
STARTER
IC1101
SPIKE NOISE ABSORVER
D1106, D1107
C1120, C1121
R1106
SWITCHING TRANSISTOR
VOLTAGE STABILIZER
OVER VOLTAG PROTECTOR
Q1101
IC1103
ZENER DIODE TURNS ON WHEN VOLTAGE OF PIN1 IS INCREASED.
D1108
OVER VOLTAGE DET
PRIMARY WINDING FOR POWER INDUCES
T1101
P1
P2
B2
B1
S5
S6
S2
S1
S3
S4
S8
S7
CONTROL WINDING FOR PRIMARY CONTROL
D1111, L1104
C1127, C1132
RECTIFIRE. SMOOTHER
D1113, C1128
RECTIFIRE. SMOOTHER
D1116, L1103
D1112, C1129
C1133
RECTIFIRE. SMOOTHER
D1114, C1130
RECTIFIRE. SMOOTHER
D1115, C1131
RECTIFIRE
45V
-29V
14V
6V
HEATER +
HEATER -
P1101 15
P1101 7
P1101 14
P1101 3
P1101 2
D1117
VOLTAGE CONTROLLER
Q1102
REG
IC1102
REG
REG
REG
NON SW 12V
REG 12V
NON SW 5.3V
REG 5V
P1101 5
P1101 13
P1101 11
P1101 10
POWER SWITCHING TRANSFORMER C.B.A.
POWER TRANSFORMER C.B.A.
F1001
L1001
LINE FILTER
T1001
F1002
D1001
RECTIFIER
P1003 2
P1301 2
Q1001
QR1002
QR1001
P1003 1
P1301 1
P1003 3
P1301 3
Q1301 (REG)
POWER TRANSISTOR C.B.A.
Q1002
VR1001
5V
5V
P1002 1
VIDEO 5V
P1002 5
REG 12V
+18V
GND
-18V
P1001 P1251 1
P1001 P1251 2, 3
P1001 P1251 4
AUDIO MAIN C.B.A.
F1251
F1252
D1251
RECTIFIER
IC1251
+12V REG
IC4902
+6V REG
IC4502
+5V REG
IC1252
-12V REG
IC4903
-6V REG
+6V
+5V
+12V
-6V

3-13. TV DEMODULATOR & DECODER BLOCK DIAGRAM (NV-V8000EG)

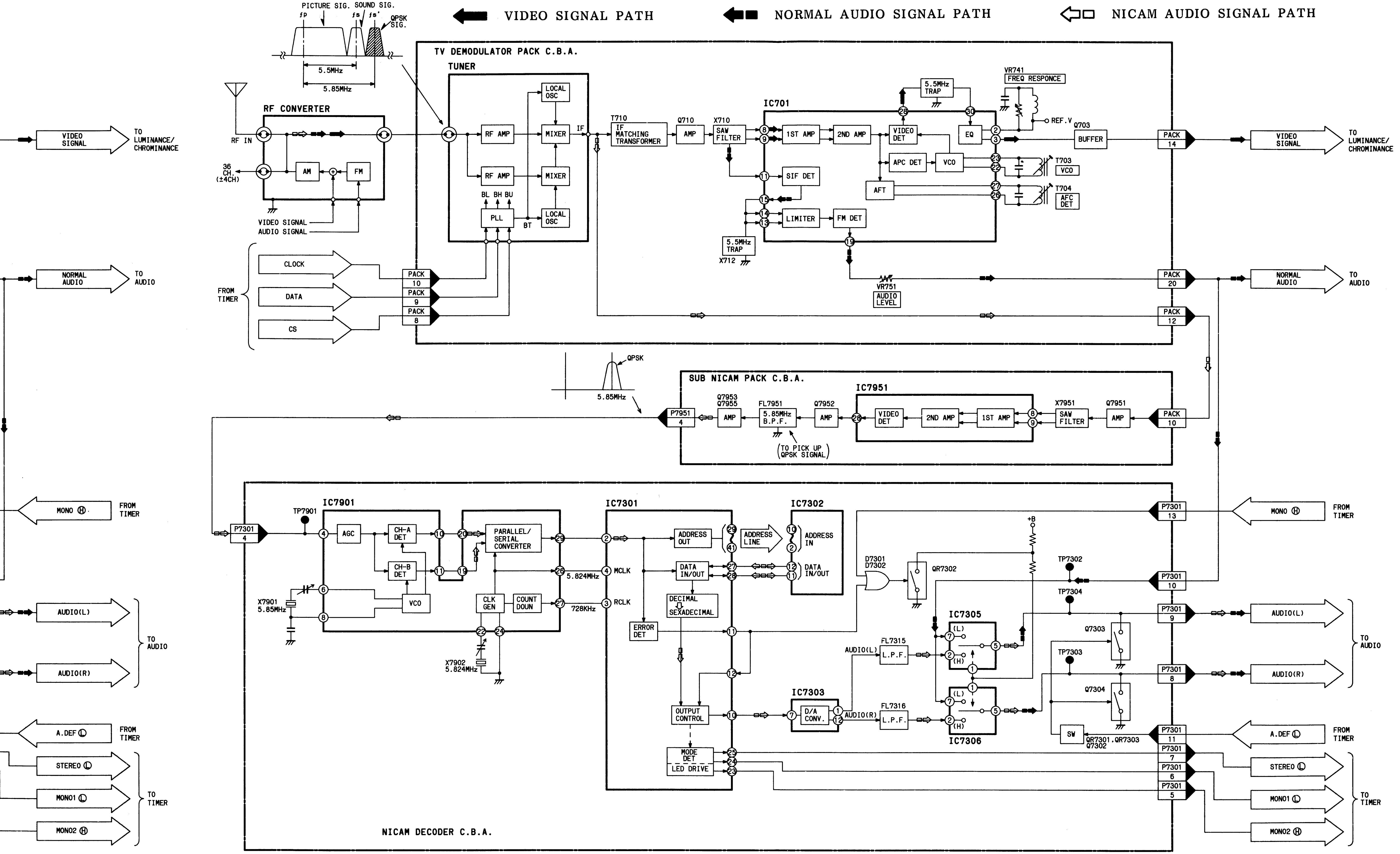

VIDEO SIGNAL PATH
AUDIO MAIN SIGNAL PATH
AUDIO SUB SIGNAL PATH
TV DEMODULATOR PACK C.B.A.
RF CONVERTER
RF IN
36 CH (±4CH)
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
TUNER
RF AMP
MIXER
LOCAL OSC
IF
PLL
BL BH BU
BT
T710
IF MATCHING TRANSFORMER
Q710
AMP
X710
SAW FILTER
IC701
1ST AMP
2ND AMP
VIDEO DET
APC DET
VCO
AFT
SIF DET
X711
5.5MHz TRAP
TP707
VR741
FREQ RESPONCE
EQ
REF.V
Q703
BUFFER
T703
VCO
T704
AFC DET
PACK 14
VIDEO SIGNAL
TO LUMINANCE/ CHROMINANCE
PACK 6
AFC
TO TIMER
PACK 22
FROM TIMER
CLOCK
PACK 10
DATA
PACK 9
CS
PACK 8
<SIF>
DECODER PACK C.B.A.
PACK 1
Q7306
AMP
5.5MHz B.P.F.
5.74MHz B.P.F.
IC7302
SIF LIMITER AMP
FM DET
QR7301
T7304
FM DET(L)
IC7303
T7305
FM DET(R)
MAIN (L+R) AUDIO SIG.
SUB(R) AUDIO SIG.
PILOT SIG.
5.5
5.74
(MHz)
MAIN(L+R) AUDIO SIG.
5.5MHz
5.74MHz
54.68KHz PILOT SIGNAL
STEREO:±117.5Hz
MULTIPLEX:±274.1Hz
5.5 3.74
Q7304
BUFFER
VR7342
NORMAL AUDIO LEVEL
(FM MODULATION SIG.)
(ORIGINAL AUDIO SIG.)
IC7301
AMP
(L+R)
(R)
(L)
MATRIX SW
VR7326
STEREO OSC-1
TP7303
TP7304
VR7328
MPX OSC-2
STEREO/ MULTIPLEX/ MONO DETECTOR
Q7301
AMP
C7309
T7301
PILOT SIG. FILTER 54.68KHz
AM DEMOD
LED DRIVE
T7302
ƒH TRAP
T7303
ƒH TRAP
Q7307
Q7302
Q7303
AUDIO(L) LEVEL
VR7344
AUDIO(R) LEVEL
VR7340
QR7314
QR7312
QR7313
PACK 3
NORMAL AUDIO
TO AUDIO
PACK 17
AUDIO DEF Ⓗ
FROM TIMER
PACK 20
AUDIO(L)
PACK 18
AUDIO(R)
TO AUDIO
PACK 16
STEREO Ⓛ
PACK 15
BILINGUAL Ⓛ
TO TIMER

Back Page:
POWER Section

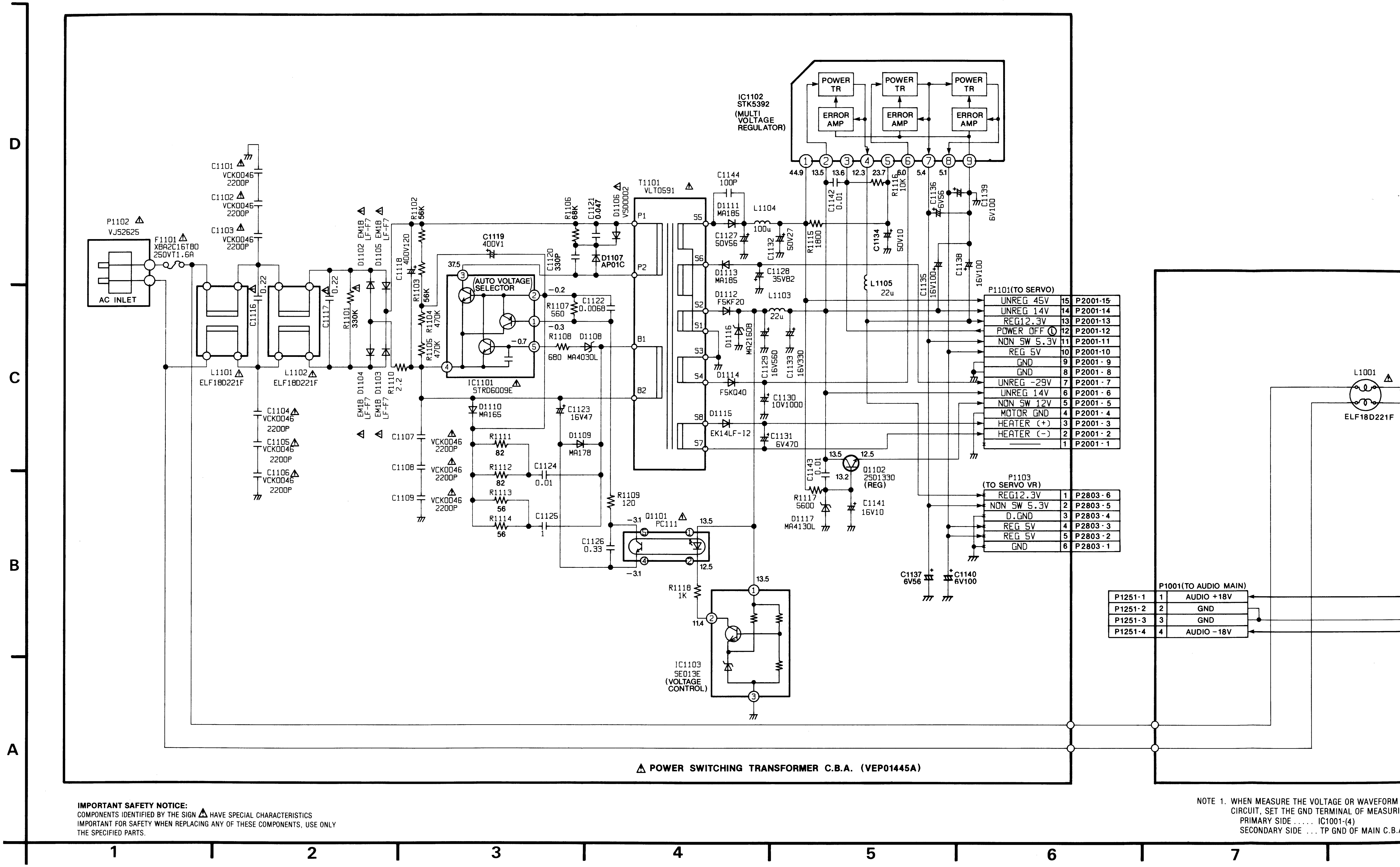
3-14. TV DEMODULATOR & NICAM DECODER BLOCK DIAGRAM (NV-V8000B)


VIDEO SIGNAL PATH
NORMAL AUDIO SIGNAL PATH
NICAM AUDIO SIGNAL PATH
TV DEMODULATOR PACK C.B.A.
PICTURE SIG. SOUND SIG.
fp
fs
fs'
QPSK SIG.
6.0MHz
6.552MHz
TUNER
RF AMP
MIXER
LOCAL OSC
IF
AGC
BT BH BU BL
AFC
RF CONVERTER
RF IN
36 CH. (±4CH)
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
C7662～C7664
R7671～R7674
L.P.F.
IC7652
DAC
VL
U
BAND SELECT
BT
BH
BU
BL
FROM TIMER
DAC
BAND VL
BAND U
PACK 10
PACK 9
PACK 8
Q710
AMP
X710
SAW FILTER
IC701
1ST AMP
2ND AMP
VIDEO DET
EQ
X711
6.0MHz TRAP
VR741
FREQ RESPONCE
REF.V
Q703
BUFFER
APC DET
VCO
SIF DET
AGC DET
AFT
LIMITER
FM DET
X712
6.0MHz TRAP
T703
VCO
T704
AFC DET
VR751
AUDIO LEVEL
Q771
BUFFER
AFC(S)
AFC DEF(S)
Q772
BUFFER
IC7653
PACK 14
PACK 20
PACK 12
VIDEO SIGNAL
TO LUMINANCE/ CHROMINANCE
NORMAL AUDIO
TO AUDIO
QPSK
6.552MHz
SUB NICAM PACK C.B.A.
Q7953 Q7955
AMP
6.552MHz B.P.F.
(TO PICK UP QPSK SIGNAL)
Q7952
AMP
IC7951
VIDEO DET
2ND AMP
1ST AMP
X7951
SAW FILTER
Q7951
AMP
P7951 4
PACK 10
NICAM DECODER C.B.A.
TP7901
P7301 4
IC7901
AGC
CH-A DET
CH-B DET
VCO
X7901 6.552MHz
PARALLEL/ SERIAL CONVERTER
CLK GEN
COUNT DOUN
X7902 5.824MHz
5.824MHz
728KHz
IC7301
MCLK
RCLK
ADDRESS OUT
DATA IN/OUT
DECIMAL ⇩ SEXADECIMAL
ERROR DET
OUTPUT CONTROL
MODE DET
LED DRIVE
IC7302
ADDRESS LINE
ADDRESS IN
DATA IN/OUT
IC7303
D/A CONV.
AUDIO(L)
AUDIO(R)
FL7315
L.P.F.
FL7316
L.P.F.
D7301 D7302
QR7302
+B
TP7302
TP7304
TP7303
IC7305
IC7306
(L)
(H)
Q7303
Q7304
SW
QR7301, QR7303 Q7302
P7301 13
P7301 10
P7301 9
P7301 8
P7301 11
P7301 7
P7301 6
P7301 5
MONO Ⓗ
FROM TIMER
AUDIO(L)
AUDIO(R)
TO AUDIO
A.DEF Ⓛ
FROM TIMER
STEREO Ⓛ
MONO1 Ⓛ
MONO2 Ⓗ
TO TIMER

3-15. TV DEMODULATOR & NICAM DECODER BLOCK DIAGRAM (NV-V8000EB)


VIDEO SIGNAL PATH
NORMAL AUDIO SIGNAL PATH
NICAM AUDIO SIGNAL PATH
PICTURE SIG.
SOUND SIG.
fp
fs
fs'
QPSK SIG.
5.5MHz
5.85MHz
TV DEMODULATOR PACK C.B.A.
TUNER
RF CONVERTER
RF IN
36 CH. (±4CH)
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
RF AMP
RF AMP
MIXER
MIXER
LOCAL OSC
LOCAL OSC
PLL
BL BH BU
BT
IF
T710
IF MATCHING TRANSFORMER
Q710
AMP
X710
SAW FILTER
IC701
1ST AMP
2ND AMP
VIDEO DET
EQ
5.5MHz TRAP
VR741
FREQ RESPONCE
REF.V
Q703
BUFFER
APC DET
VCO
AFT
T703
VCO
T704
AFC DET
SIF DET
LIMITER
FM DET
5.5MHz TRAP
X712
VR751
AUDIO LEVEL
FROM TIMER
CLOCK
DATA
CS
PACK 10
PACK 9
PACK 8
PACK 14
PACK 20
PACK 12
VIDEO SIGNAL
TO LUMINANCE/ CHROMINANCE
NORMAL AUDIO
TO AUDIO
QPSK
5.85MHz
SUB NICAM PACK C.B.A.
P7951 4
Q7953 Q7955
AMP
FL7951
5.85MHz B.P.F.
(TO PICK UP QPSK SIGNAL)
Q7952
AMP
IC7951
VIDEO DET
2ND AMP
1ST AMP
X7951
SAW FILTER
Q7951
AMP
PACK 10
NICAM DECODER C.B.A.
P7301 4
TP7901
IC7901
AGC
CH-A DET
CH-B DET
VCO
X7901 5.85MHz
PARALLEL/ SERIAL CONVERTER
CLK GEN
COUNT DOUN
X7902 5.824MHz
5.824MHz
728KHz
IC7301
MCLK
RCLK
ADDRESS OUT
DATA IN/OUT
DECIMAL
SEXADECIMAL
ERROR DET
OUTPUT CONTROL
MODE DET
LED DRIVE
ADDRESS LINE
IC7302
ADDRESS IN
DATA IN/OUT
IC7303
D/A CONV.
AUDIO(L)
AUDIO(R)
FL7315
L.P.F.
FL7316
L.P.F.
D7301 D7302
QR7302
+B
TP7302
TP7304
TP7303
IC7305
IC7306
(L)
(H)
Q7303
Q7304
SW
QR7301, QR7303 Q7302
P7301 13
P7301 10
P7301 9
P7301 8
P7301 11
P7301 7
P7301 6
P7301 5
MONO Ⓗ
FROM TIMER
AUDIO(L)
AUDIO(R)
TO AUDIO
A.DEF Ⓛ
FROM TIMER
STEREO Ⓛ
MONO1 Ⓛ
MONO2 Ⓗ
TO TIMER

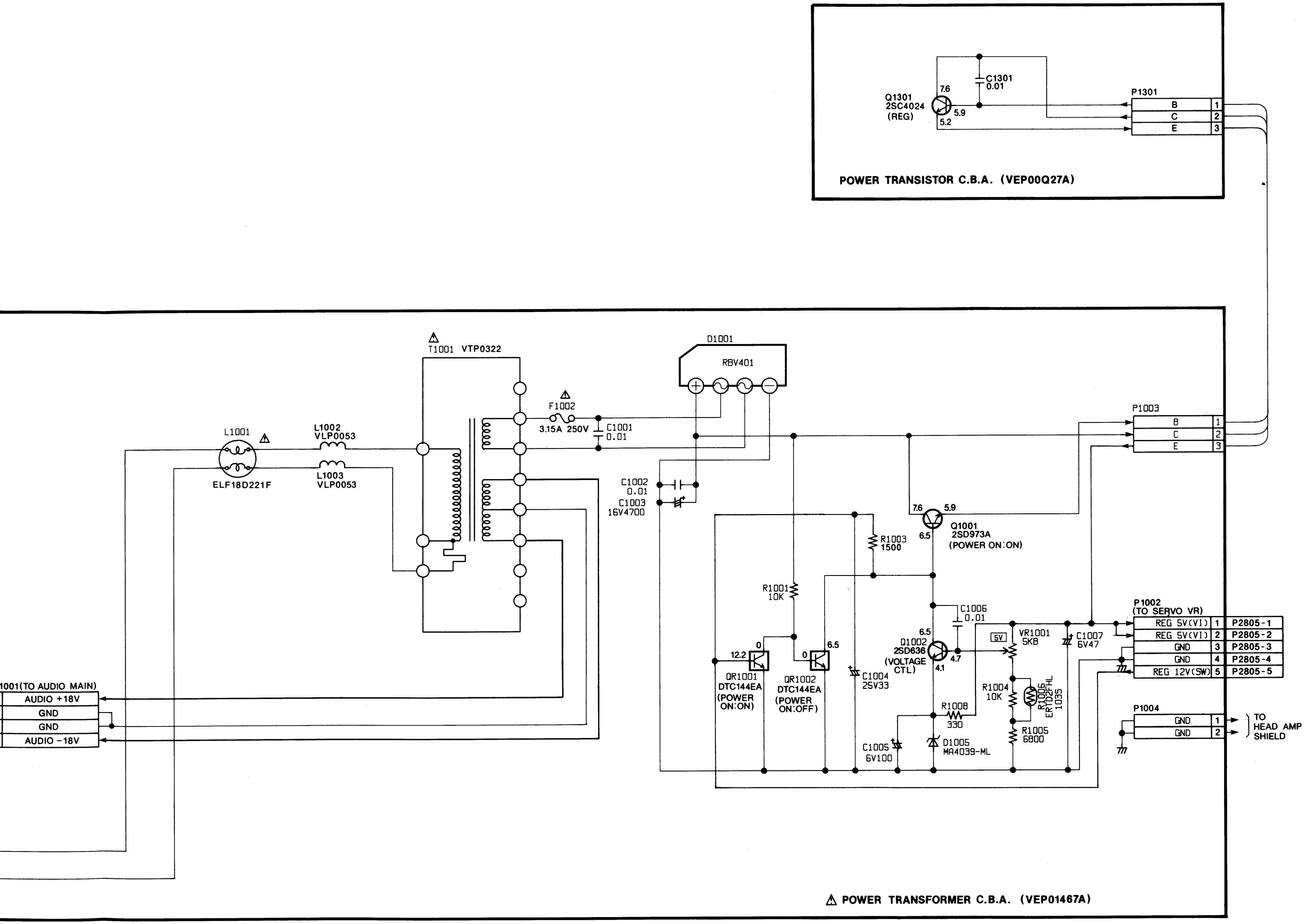
3-16. POWER SWITCHING TRANSFORMER & POWER TRANSFORMER SCHEMATIC DIAGRAM


D
C
B
A
1
2
3
4
5
6
7
P1102 ⚠
VJ52625
AC INLET
F1101 ⚠
XBA2C16TB0
250VT1.6A
C1101 ⚠
VCK0046
2200P
C1102 ⚠
VCK0046
2200P
C1103 ⚠
VCK0046
2200P
C1116
0.22
C1117
0.22
L1101 ⚠
ELF18D221F
L1102 ⚠
ELF18D221F
C1104 ⚠
VCK0046
2200P
C1105 ⚠
VCK0046
2200P
C1106 ⚠
VCK0046
2200P
R1101
330K
D1102 EM1B LF-F7
D1105 EM1B LF-F7
D1104 EM1B LF-F7
D1103 EM1B LF-F7
C1118
400V120
R1102
56K
R1103
56K
R1104
470K
R1105
470K
R1110
2.2
C1119
400V1
37.5
(AUTO VOLTAGE SELECTOR)
IC1101 ⚠
STRD6009E
-0.2
-0.3
-0.7
C1120
330P
R1106
68K
C1121
0.047
D1106 ⚠
VSD0002
D1107
AP01C
R1107
560
C1122
0.0068
R1108
680
D1108
MA4030L
D1110
MA165
C1123
16V47
C1107
VCK0046 ⚠
2200P
C1108
VCK0046 ⚠
2200P
C1109
VCK0046 ⚠
2200P
R1111
82
R1112
82
R1113
56
R1114
56
C1124
0.01
C1125
1
D1109
MA178
R1109
120
C1126
0.33
Q1101 ⚠
PC111
-3.1
13.5
12.5
T1101
VLT0591 ⚠
P1
P2
B1
B2
S5
S6
S2
S1
S3
S4
S8
S7
C1144
100P
D1111
MA165
L1104
100u
C1127
50V56
C1132
50V27
D1113
MA165
C1128
35V82
D1112
FSKF20
L1103
22u
D1116
MA2160B
C1129
16V560
C1133
16V330
D1114
FSK040
C1130
10V1000
D1115
EK14LF-12
C1131
6V470
IC1102
STK5392
(MULTI VOLTAGE REGULATOR)
POWER TR
ERROR AMP
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
44.9
13.5
13.6
12.3
23.7
6.0
5.4
5.1
C1142
0.01
R1116
10K
R1115
1800
C1134
50V10
L1105
22u
C1135
16V100
C1136
6V56
C1138
16V100
C1139
6V100
C1143
0.01
Q1102
2SD1330
(REG)
13.2
R1117
5600
D1117
MA4130L
C1141
16V10
R1118
1K
11.4
IC1103
SE013E
(VOLTAGE CONTROL)
C1137
6V56
C1140
6V100
P1101(TO SERVO)
UNREG 45V 15 P2001-15
UNREG 14V 14 P2001-14
REG12.3V 13 P2001-13
POWER OFF Ⓛ 12 P2001-12
NON SW 5.3V 11 P2001-11
REG 5V 10 P2001-10
GND 9 P2001-9
GND 8 P2001-8
UNREG -29V 7 P2001-7
UNREG 14V 6 P2001-6
NON SW 12V 5 P2001-5
MOTOR GND 4 P2001-4
HEATER (+) 3 P2001-3
HEATER (-) 2 P2001-2
1 P2001-1
P1103
(TO SERVO VR)
REG12.3V 1 P2803-6
NON SW 5.3V 2 P2803-5
D.GND 3 P2803-4
REG 5V 4 P2803-3
REG 5V 5 P2803-2
GND 6 P2803-1
P1001(TO AUDIO MAIN)
P1251-1 1 AUDIO +18V
P1251-2 2 GND
P1251-3 3 GND
P1251-4 4 AUDIO -18V
L1001 ⚠
ELF18D221F
⚠ POWER SWITCHING TRANSFORMER C.B.A. (VEP01445A)

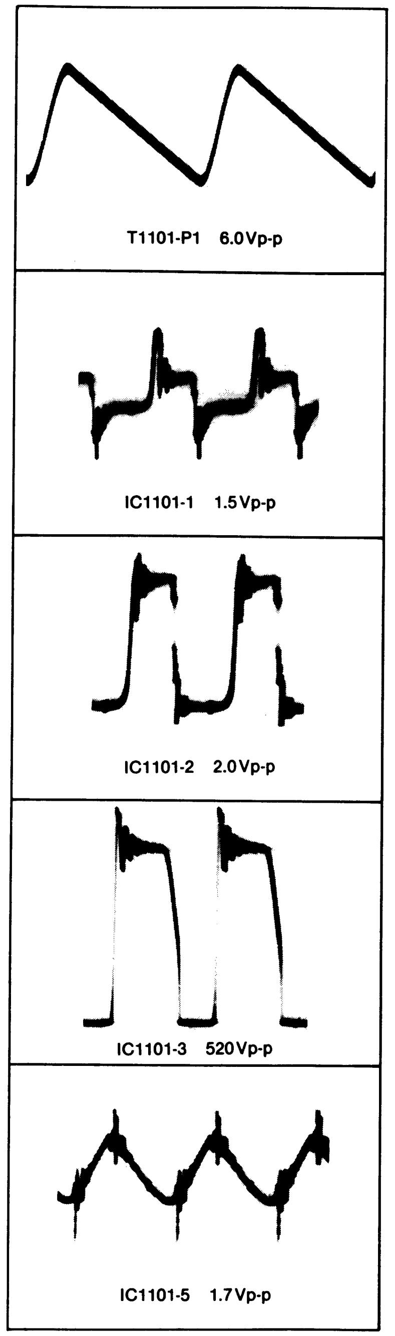
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS
IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY
THE SPECIFIED PARTS.

NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM
CIRCUIT, SET THE GND TERMINAL OF MEASURI
PRIMARY SIDE ..... IC1001-(4)
SECONDARY SIDE ... TP GND OF MAIN C.B.A

Back Page:
TV DEMODULATOR Section


Q1301
2SC4024
(REG)
7.6
5.9
5.2
C1301
0.01
P1301
B 1
C 2
E 3
POWER TRANSISTOR C.B.A. (VEP00Q27A)
T1001 VTP0322
D1001
RBV401
F1002
3.15A 250V
C1001
0.01
C1002
0.01
C1003
16V4700
L1001
ELF18D221F
L1002
VLP0053
L1003
VLP0053
P1003
B 1
C 2
E 3
7.6
5.9
6.5
Q1001
2SD973A
(POWER ON:ON)
R1003
1500
R1001
10K
C1006
0.01
6.5
Q1002
2SD636
(VOLTAGE CTL)
4.7
4.1
5V
VR1001
5K8
C1007
6V47
12.2
0
QR1001
DTC144EA
(POWER ON:ON)
0
6.5
QR1002
DTC144EA
(POWER ON:OFF)
C1004
25V33
R1008
330
R1004
10K
R1006
ERTD2FHL
1035
R1005
6800
C1005
6V100
D1005
MA4039-ML
P1002
(TO SERVO VR)
REG 5V(VI) 1 P2805-1
REG 5V(VI) 2 P2805-2
GND 3 P2805-3
GND 4 P2805-4
REG 12V(SW) 5 P2805-5
P1004
GND 1
GND 2
TO HEAD AMP SHIELD
1001(TO AUDIO MAIN)
AUDIO +18V
GND
GND
AUDIO -18V
POWER TRANSFORMER C.B.A. (VEP01467A)

WAVEFORM OF POWER SWITCHING TRANSFORMER



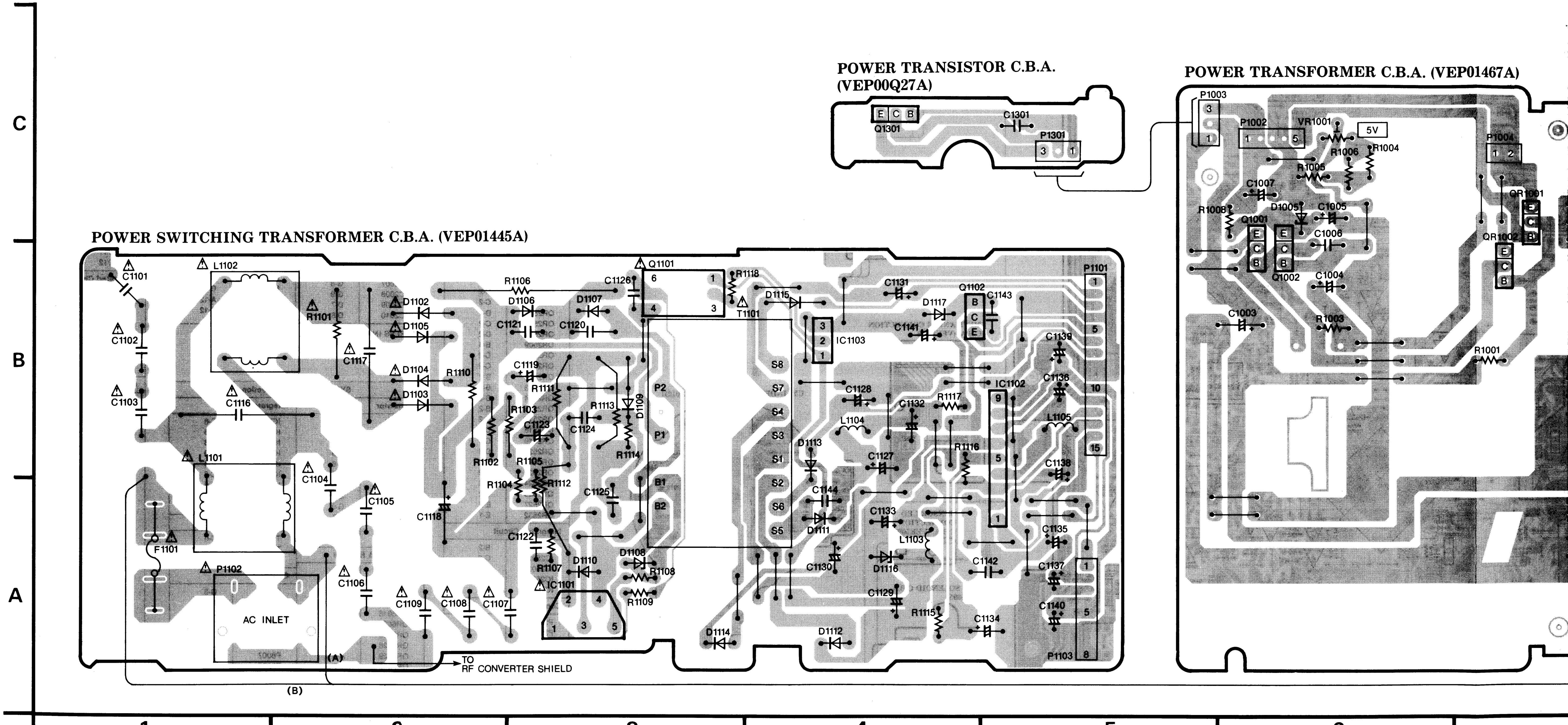
NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE ..... IC1001-(4)
SECONDARY SIDE ... TP GND OF MAIN C.B.A.

NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 240V.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

7 | 8 | 9 | 10 | 11 | 12

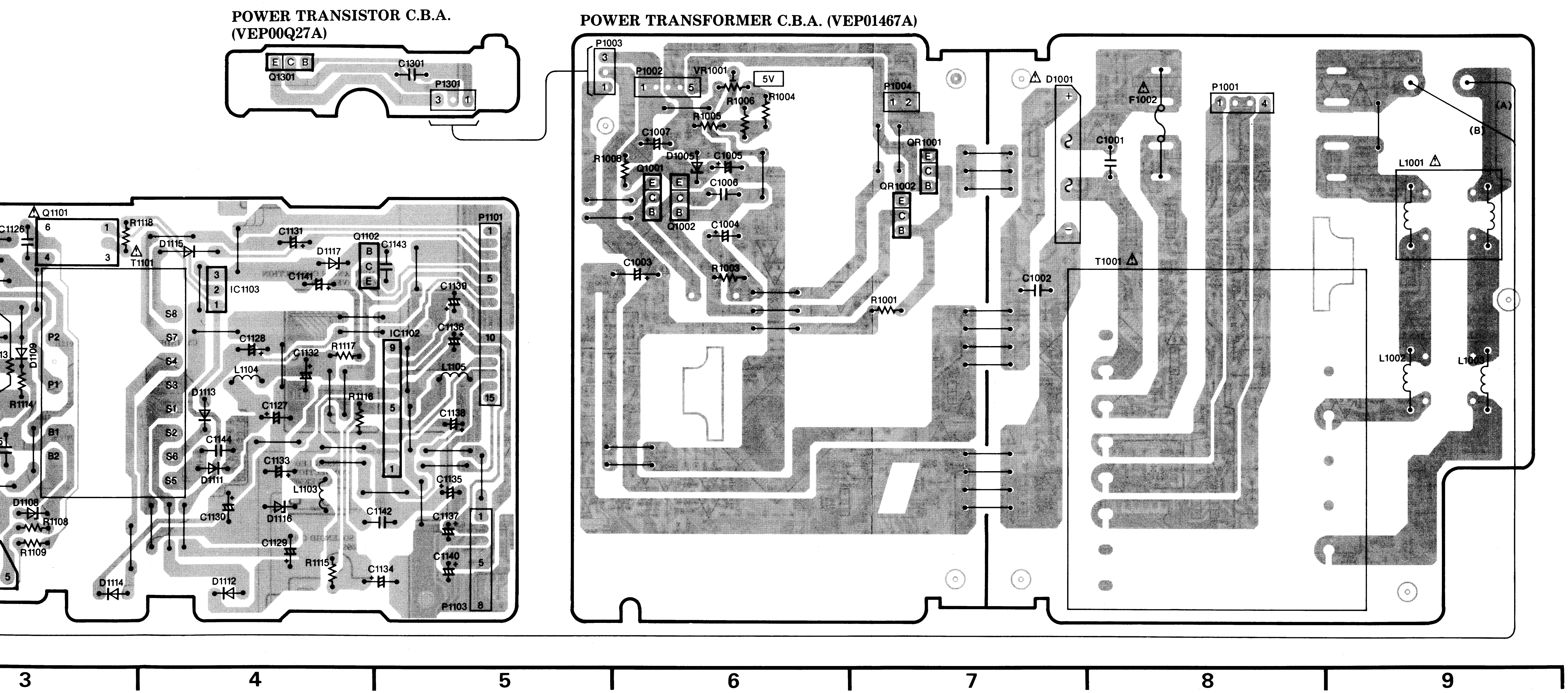
3-17. POWER SWITCHING TRANSFORMER C.B.A. (VEP01445A) & POWER TRANSFORMER C.B.A. (VEP01467A)


POWER TRANSISTOR C.B.A.
(VEP00Q27A)
E C B
Q1301
C1301
P1301
3 1
POWER TRANSFORMER C.B.A. (VEP01467A)
P1003
3
1
P1002
1 5
VR1001
5V
P1004
1 2
R1006
R1004
R1005
C1007
R1008
D1005
C1005
Q1001
E C B
Q1002
C1006
QR1001
QR1002
C1004
C1003
R1003
R1001
POWER SWITCHING TRANSFORMER C.B.A. (VEP01445A)
C1101
L1102
C1102
C1103
R1101
C1117
C1116
L1101
C1104
C1105
F1101
P1102
AC INLET
C1106
C1109
C1108
C1107
(A)
(B)
TO
RF CONVERTER SHIELD
D1102
D1105
D1104
D1103
R1110
R1106
D1106
D1107
C1121
C1120
C1119
R1111
R1103
C1123
C1124
R1113
D1109
R1114
R1102
R1105
R1104
R1112
C1118
C1125
C1122
R1107
D1110
D1108
R1108
R1109
IC1101
2 4
1 3 5
C1126
Q1101
6 1
4 3
R1118
T1101
P2
P1
B1
B2
S8
S7
S4
S3
S1
S2
S6
S5
D1115
IC1103
3
2
1
D1113
C1144
D1111
C1128
L1104
C1127
C1133
C1130
D1116
C1129
D1114
D1112
C1131
Q1102
B C E
C1143
D1117
C1141
C1132
R1117
IC1102
9
5
1
R1116
L1103
R1115
C1142
C1134
C1139
C1136
L1105
C1138
C1135
C1137
C1140
P1101
1
5
10
15
P1103
1
5
8
A
B
C
1
2
3
4
5
6

A) & POWER TRANSFORMER C.B.A. (VEP01467A)

POWER SWITCHING TRANS. C.B.A.			
Transistor		**Adjustment**	
Q1001	B-6	VR1001	C-6
Q1002	B-6	**Connector**	
Q1101	B-3	P1001	C-8
Q1102	B-4	P1002	C-6
Q1301	C-4	P1003	C-5
Transistor & Resistor		P1004	C-7
QR1001	C-7	P1101	B-5
QR1002	B-7	P1102	A-1
Integrated Circuit		P1103	A-5
IC1101	A-3	P1301	C-5
IC1102	B-5		
IC1103	B-4		

ADDRESS INFORMATION



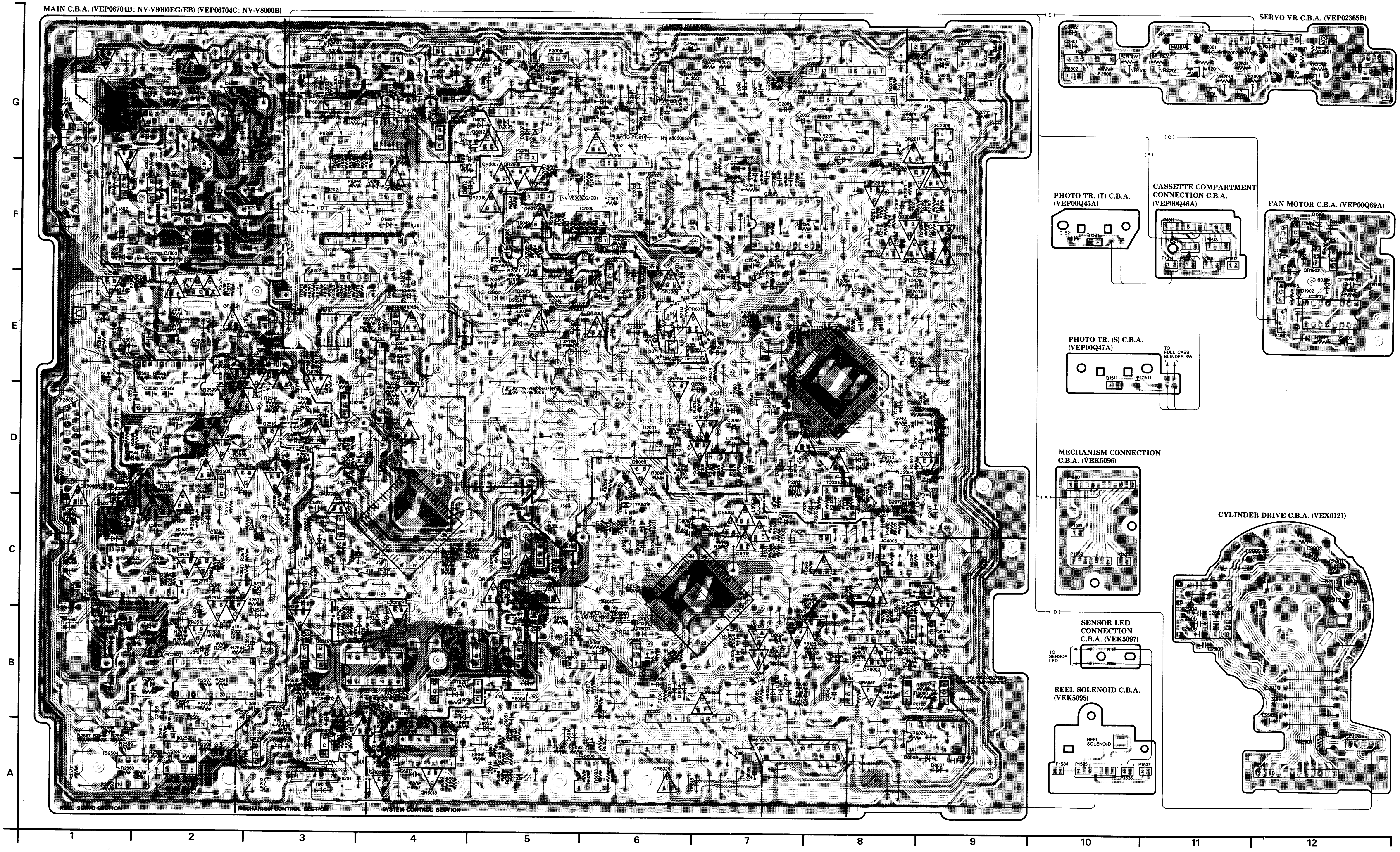
POWER TRANSISTOR C.B.A. (VEP00Q27A)

POWER TRANSFORMER C.B.A. (VEP01467A)

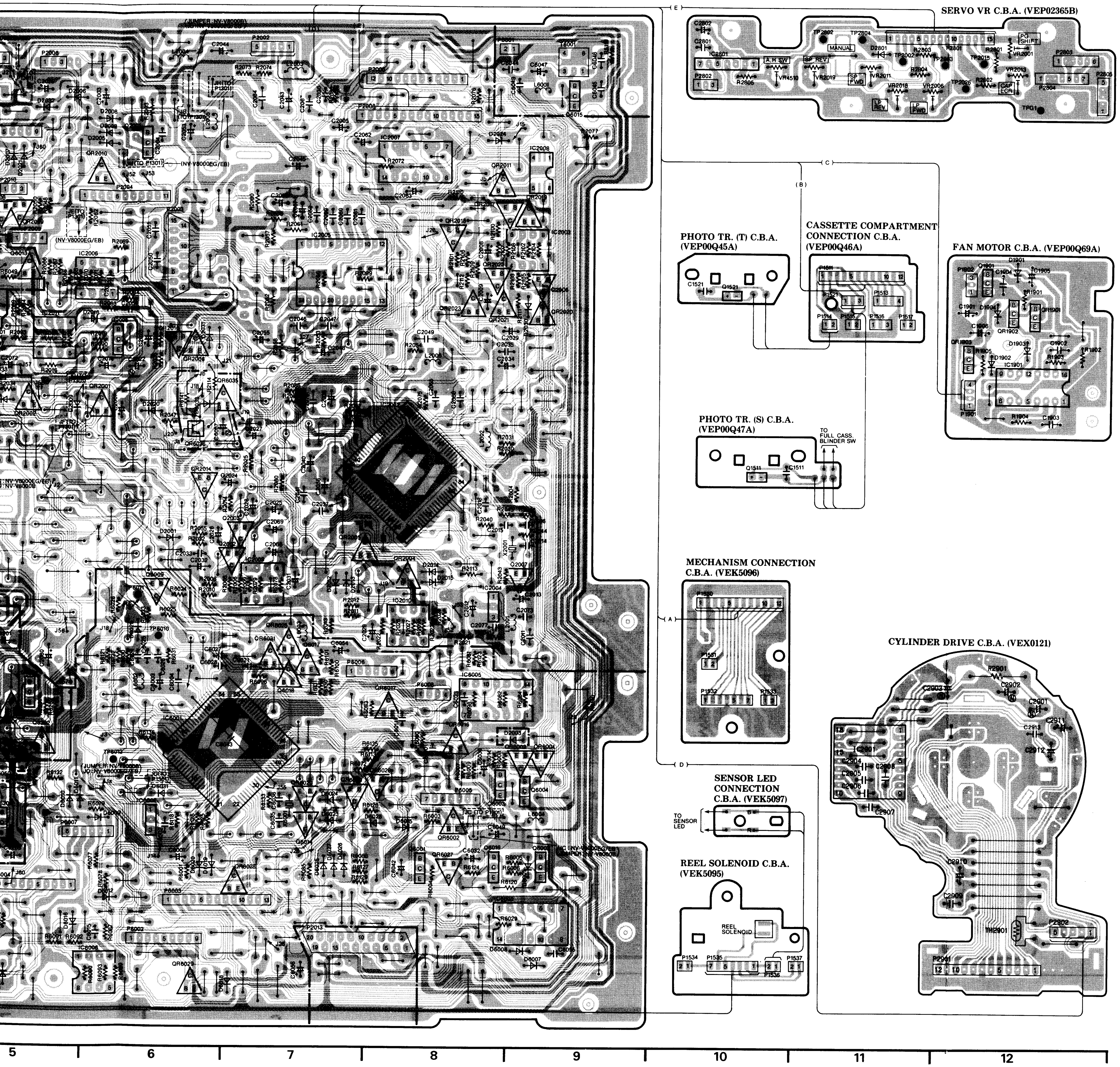
E C B
Q1301
C1301
P1301
3
1
P1003
P1002
VR1001
5V
R1006
R1004
R1005
C1007
R1008
D1005
C1005
Q1001
C1006
E
C
B
Q1002
C1004
C1003
R1003
P1004
1 2
QR1001
QR1002
R1001
D1001
F1002
C1001
C1002
T1001
P1001
1
4
L1001
L1002
L1003
(A)
(B)
Q1101
C1126
6
4
R1118
T1101
D1115
C1131
Q1102
C1143
D1117
C1141
IC1103
C1139
S8
S7
S4
S3
S1
S2
S6
S5
P2
P1
B1
B2
D1109
R1114
C1128
C1132
R1117
IC1102
C1136
L1104
L1105
D1113
R1116
C1127
C1138
C1144
D1111
C1133
L1103
C1135
D1108
R1108
R1109
C1130
D1116
C1142
C1137
C1129
R1115
C1134
C1140
D1114
D1112
P1103
P1101
10
15
8
3
4
5
6
7
8
9

Next Page:
MAIN C.B.A. Section

3-18. MAIN C.B.A. (VEP06704B: NV-V8000EG/EB) (VEP06704C: NV-V8000B)


MAIN C.B.A. (VEP06704B: NV-V8000EG/EB) (VEP06704C: NV-V8000B)
MOTOR CONTROL SECTION
REEL SERVO SECTION
MECHANISM CONTROL SECTION
SYSTEM CONTROL SECTION
SERVO VR C.B.A. (VEP02365B)
PHOTO TR. (T) C.B.A. (VEP00Q45A)
CASSETTE COMPARTMENT CONNECTION C.B.A. (VEP00Q46A)
FAN MOTOR C.B.A. (VEP00Q69A)
PHOTO TR. (S) C.B.A. (VEP00Q47A)
TO FULL CASS. BLINDER SW
MECHANISM CONNECTION C.B.A. (VEK5096)
CYLINDER DRIVE C.B.A. (VEX0121)
SENSOR LED CONNECTION C.B.A. (VEK5097)
TO SENSOR LED
REEL SOLENOID C.B.A. (VEK5095)
REEL SOLENOID
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

C: NV-V8000B)


SERVO VR C.B.A. (VEP02365B)
PHOTO TR. (T) C.B.A. (VEP00Q45A)
CASSETTE COMPARTMENT CONNECTION C.B.A. (VEP00Q46A)
FAN MOTOR C.B.A. (VEP00Q69A)
PHOTO TR. (S) C.B.A. (VEP00Q47A)
TO FULL CASS. BLINDER SW
MECHANISM CONNECTION C.B.A. (VEK5096)
CYLINDER DRIVE C.B.A. (VEX0121)
SENSOR LED CONNECTION C.B.A. (VEK5097)
TO SENSOR LED
REEL SOLENOID C.B.A. (VEK5095)
REEL SOLENOID
(JUMPER:NV-V8000B)
(NV-V8000EG/EB)
A
B
C
D
E
5
6
7
8
9
10
11
12

MAIN C.B.A. ADDRESS INFORMATION

MOTOR CONTROL Section	
Transistor	
Q1801	G-2
Q1802	F-2
Q1803	F-1
Q1804	F-2
Transistor & Resistor	
QR1801	G-2
QR1802	G-3
QR1803	G-3
QR1804	G-1
QR1806	G-2
QR1807	G-1
Integrated Circuit	
IC1801	G-2
Connector	
P1801	E-3

ADDRESS INFORMATION

REEL SERVO Section	
Transistor	
Q2501	E-3
Q2502	C-1
Q2503	D-2
Q2505	E-1
Q2506	D-1
Q2516	D-3
Transistor & Resistor	
QR2501	D-2
QR2502	E-2
QR2503	D-2
QR2504	C-2
QR2504	C-2
QR2505	C-2
QR2506	D-1
QR2507	C-2
QR2508	D-2
QR2509	B-4
QR2510	C-2
QR2511	C-2
QR2512	B-2
QR2513	B-2
QR2514	B-2
QR2515	B-2
QR2517	D-2
QR2518	D-2
QR2519	G-1
QR2520	D-3
QR2522	D-2
QR2523	D-2
QR2524	E-2
QR2525	E-2
QR2527	E-2
QR2532	E-1
Integrated Circuit	
IC2501	B-2
IC2502	C-2
IC2503	E-2
IC2504	A-1
IC2505	A-2
Connector	
P2501	A-2
P2502	D-1
P2503	G-1

ADDRESS INFORMATION

SERVO Section	
Transistor	
Q2001	G-6
Q2002	D-7
Q2003	D-7
Q2004	G-4
Q2005	F-6
Q2006	F-9
Q2007	D-9
Transistor & Resistor	
QR2001	E-6
QR2002	E-5
QR2004	D-8
QR2005	D-7
QR2006	E-6
QR2007	F-5
QR2008	F-5
QR2009	F-5
QR2010	G-6
QR2011	G-8
QR2014	E-6
QR2015	F-5
QR2016	F-6
QR2017	F-8
QR2018	F-8
QR2019	F-9
QR2020	F-9
QR2021	F-8
QR2022	F-8
QR2023	F-8
QR2024	E-3
QR2025	E-2
Integrated Circuit	
IC2002	E-8
IC2003	F-9
IC2004	D-8
IC2005	F-7
IC2006	F-6
IC2007	G-8
IC2008	G-9
IC2009	D-7
IC2010	D-8
IC2011	F-5
IC2801	G-10
IC2901	C-11
Test Point	
TP2002	G-11
TP2015	G-12
TP2026	G-12
TP2802	G-11
TP2803	G-11
TP2804	G-11
TPG1	G-12
Adjustment	
VR2001	G-12
VR2006	G-11
VR2011	G-11
VR2013	G-12
VR2018	G-11
VR2019	G-11
VR4510	G-10
Connector	
P2001	G-3
P2002	G-7
P2003	F-6
P2004	G-6
P2005	G-8
P2006	G-5
P2007	G-5
P2008	G-8
P2009	F-5
P2010	G-5
P2011	G-4
P2012	G-5
P2013	A-7
P2801	G-11
P2802	G-10
P2803	G-12
P2804	G-12
P2805	G-12
P2901	A-12
P2902	A-12

ADDRESS INFORMATION

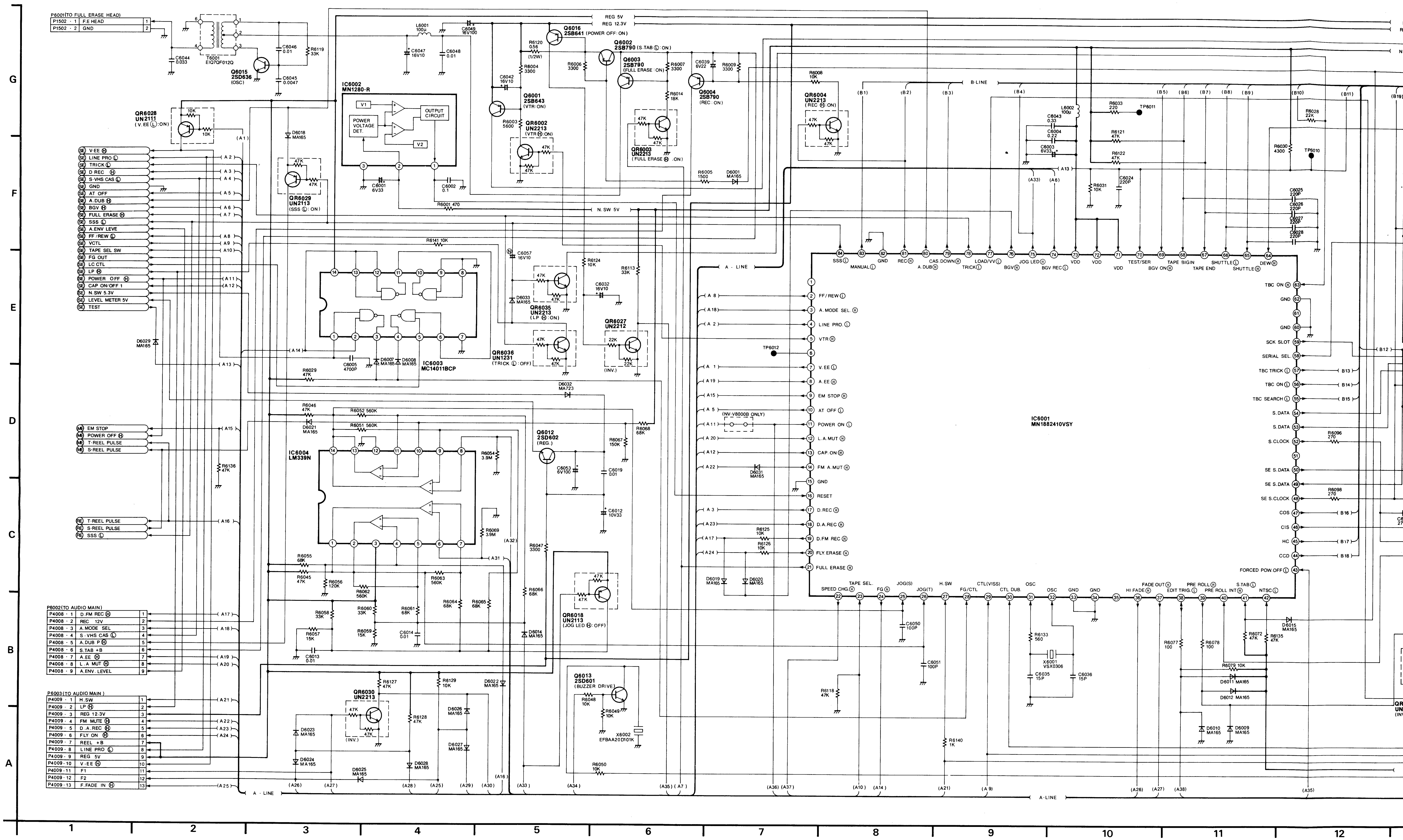
SYSTEM CONTROL Section	
Transistor	
Q6001	B-8
Q6002	B-9
Q6003	B-8
Q6004	B-9
Q6009	D-6
Q6012	G-5
Q6013	F-5
Q6014	B-7
Q6015	G-9
Q6016	B-8
Q6017	C-7
Q6018	C-7
Transistor & Resistor	
QR6003	C-9
QR6004	C-9
QR6016	C-8
QR6017	C-8
QR6018	A-4
QR6020	B-7
QR6025	C-7
QR6028	B-7
QR6029	A-6
QR6030	B-7
QR6031	C-7
QR6034	A-4
QR6035	E-6
QR6036	E-6
Integrated Circuit	
IC6001	C-6
IC6002	B-6
IC6002	B-8
IC6003	A-9
IC6004	A-4
IC6005	C-8
IC6006	A-6
IC6026	B-8
IC6027	B-8
Test Point	
TP6010	C-6
TP6011	D-6
TP6012	B-6
Connector	
P6001	G-8
P6002	A-6
P6003	B-6
P6004	B-5
P6005	B-8
P6006	C-7
P6007	B-5
P6008	C-8

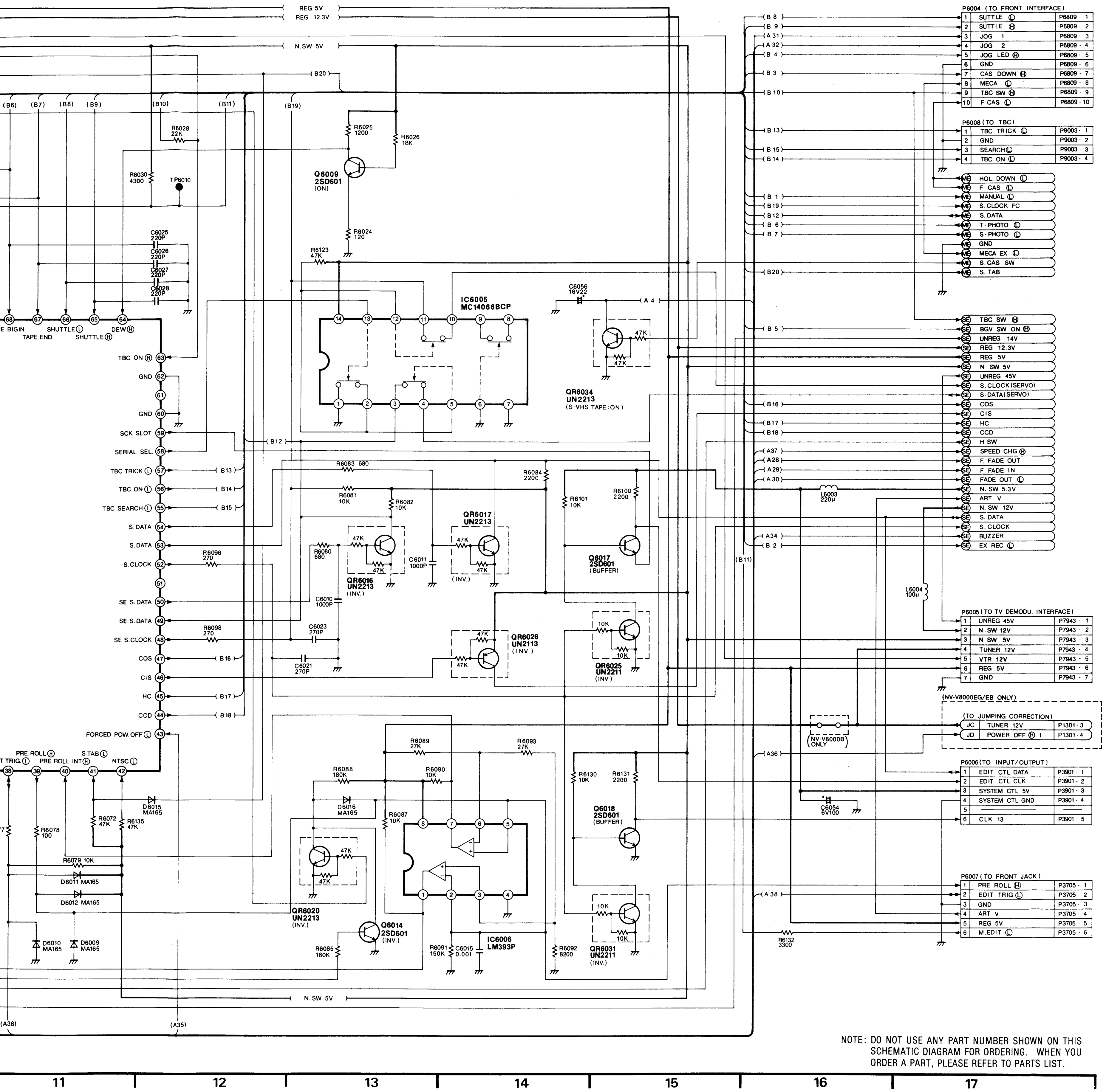
ADDRESS INFORMATION

MECHANISM CONTROL Section	
Transistor	
Q1511	E-10
Q1521	F-10
Q1901	F-12
Q6201	C-5
Q6202	C-5
Q6203	B-5
Q6204	B-5
Q6205	C-5
Q6206	B-4
Q6207	B-5
Q6208	D-3
Q6209	E-3
Q6212	D-3
Q6213	A-3
Q6214	B-3
Q6215	B-3
Q6216	B-3
Q6217	D-4
Q6218	A-3
Q6219	E-4
Transistor & Resistor	
QR1901	F-12
QR1902	F-12
QR1903	E-12
QR6201	C-5
QR6202	B-4
QR6203	D-4
QR6204	F-4
QR6205	B-3
QR6206	C-3
QR6207	A-4
QR6208	C-5
QR6210	E-4
QR6211	D-4
QR6212	B-3
Integrated Circuit	
IC1901	E-12
IC6027	B-8
IC6202	E-4
IC6203	E-3
IC6204	G-4
IC6206	C-3
IC6207	B-3
IC6201	D-4
Connector	
P1511	F-11
P1513	F-11
P1514	F-11
P1515	F-11
P1516	F-11
P1517	F-11
P1521	F-11
P1530	D-10
P1531	C-10
P1532	C-10
P1533	C-10
P1534	A-10
P1535	A-10
P1536	A-10
P1537	A-11
P1901	E-10
P1902	F-12
P6201	F-3
P6202	F-3
P6203	G-3
P6204	A-3
P6205	G-3

ADDRESS INFORMATION

3-19. SYSTEM CONTROL SCHEMATIC DIAGRAM


P6001(TO FULL ERASE HEAD)
P1502 · 1 F.E HEAD 1
P1502 · 2 GND 2
T6001 EIQ7QF012Q
Q6015 2SD636 (OSC)
C6044 0.033
C6046 0.01
C6045 0.0047
R6119 33K
L6001 100μ
C6047 16V10
C6048 0.01
C6049 16V100
REG 5V
REG 12.3V
Q6016 2SB641 (POWER OFF: ON)
R6120 0.56 (1/2W)
R6004 3300
C6042 16V10
Q6001 2SB643 (VTR: ON)
R6003 5600
QR6002 UN2213 (VTR Ⓗ: ON)
Q6002 2SB790 (S.TAB Ⓛ: ON)
Q6003 2SB790 (FULL ERASE: ON)
R6006 3300
R6007 3300
R6014 18K
QR6003 UN2213 (FULL ERASE Ⓗ: ON)
C6039 6V22
R6009 3300
Q6004 2SB790 (REC: ON)
R6008 10K
QR6004 UN2213 (REC Ⓗ: ON)
R6005 1500
D6001 MA165
B-LINE
IC6002 MN1280-R
V1
V2
POWER VOLTAGE DET.
OUTPUT CIRCUIT
C6001 6V33
C6002 0.1
R6001 470
N. SW 5V
QR6028 UN2111 (V.EE Ⓛ: ON)
D6018 MA165
QR6029 UN2113 (SSS Ⓛ: ON)
V.EE Ⓗ
LINE PRO Ⓛ
TRICK Ⓛ
D.REC Ⓗ
S-VHS CAS Ⓛ
GND
AT OFF
A.DUB Ⓗ
BGV Ⓗ
FULL ERASE Ⓗ
SSS Ⓛ
A.ENV LEVE
FF/REW Ⓛ
VCTL
TAPE SEL SW
FG OUT
LC CTL
LP Ⓗ
POWER OFF Ⓗ
CAP ON/OFF 1
N.SW 5.3V
LEVEL METER 5V
TEST
D6029 MA165
R6141 10K
C6057 16V10
QR6035 UN2213 (LP Ⓗ: ON)
D6033 MA165
R6124 10K
R6113 33K
C6032 16V10
QR6027 UN2212 (INV.)
QR6036 UN1231 (TRICK Ⓛ: OFF)
IC6003 MC14011BCP
C6005 4700P
D6007 MA165
D6008 MA165
R6029 47K
D6032 MA723
A · LINE
TP6012
(NV-V8000B ONLY)
D6031 MA165
EM STOP
POWER OFF Ⓗ
T-REEL PULSE
S-REEL PULSE
R6136 47K
R6046 47K
D6021 MA165
R6052 560K
R6051 560K
IC6004 LM339N
R6054 3.9M
R6069 3.9M
Q6012 2SD602 (REG.)
C6053 6V100
R6067 150K
R6068 68K
C6019 0.01
C6012 10V33
R6047 3300
T-REEL PULSE
S-REEL PULSE
SSS Ⓛ
R6055 68K
R6045 47K
R6056 120K
R6062 560K
R6063 560K
R6058 33K
R6060 33K
R6061 68K
R6064 68K
R6065 68K
R6066 68K
R6057 15K
R6059 15K
C6014 0.01
C6013 0.01
D6014 MA165
QR6018 UN2113 (JOG LED Ⓗ: OFF)
P6002(TO AUDIO MAIN)
P4008 · 1 D.FM REC Ⓗ 1
P4008 · 2 REC 12V 2
P4008 · 3 A.MODE SEL 3
P4008 · 4 S·VHS CAS Ⓛ 4
P4008 · 5 A.DUB P Ⓗ 5
P4008 · 6 S.TAB +B 6
P4008 · 7 A.EE Ⓗ 7
P4008 · 8 L.A MUT Ⓗ 8
P4008 · 9 A.ENV. LEVEL 9
P6003(TO AUDIO MAIN)
P4009 · 1 H.SW 1
P4009 · 2 LP Ⓗ 2
P4009 · 3 REG 12.3V 3
P4009 · 4 FM MUTE Ⓗ 4
P4009 · 5 D.A.REC Ⓗ 5
P4009 · 6 FLY ON Ⓗ 6
P4009 · 7 REEL +B 7
P4009 · 8 LINE PRO Ⓛ 8
P4009 · 9 REG 5V 9
P4009 · 10 V·EE Ⓗ 10
P4009 · 11 F1 11
P4009 · 12 F2 12
P4009 · 13 F.FADE IN Ⓗ 13
R6127 47K
QR6030 UN2213 (INV.)
R6129 10K
R6128 47K
D6022 MA165
D6023 MA165
D6024 MA165
D6025 MA165
D6026 MA165
D6027 MA165
D6028 MA165
Q6013 2SD601 (BUZZER DRIVE)
R6048 10K
R6049 10K
X6002 EFBAA20D101K
R6050 10K
IC6001 MN1882410VSY
SSS Ⓛ
MANUAL Ⓛ
GND
REC Ⓗ
A.DUB Ⓗ
CAS.DOWN Ⓗ
TRICK Ⓛ
LOAD/VV Ⓛ
BGV Ⓗ
JOG LED Ⓗ
BGV REC Ⓛ
VDD
TEST/SER
BGV ON Ⓗ
TAPE BIGIN
TAPE END
SHUTTLE Ⓛ
SHUTTLE Ⓗ
DEW Ⓗ
FF/REW Ⓛ
A.MODE SEL. Ⓗ
LINE PRO. Ⓛ
VTR Ⓗ
V.EE Ⓛ
A.EE Ⓗ
EM STOP Ⓗ
AT OFF Ⓛ
POWER ON Ⓛ
L.A.MUT Ⓗ
CAP. ON Ⓗ
FM A.MUT Ⓗ
GND
RESET
D.REC Ⓗ
D.A.REC Ⓗ
D.FM REC Ⓗ
FLY.ERASE Ⓗ
FULL ERASE Ⓗ
TBC ON Ⓗ
GND
GND
SCK SLOT
SERIAL SEL.
TBC TRICK Ⓛ
TBC ON Ⓛ
TBC SEARCH Ⓛ
S.DATA
S.DATA
S.CLOCK
SE S.DATA
SE S.DATA
SE S.CLOCK
COS
CIS
HC
CCD
FORCED POW.OFF Ⓛ
SPEED CHG. Ⓗ
TAPE SEL.
FG Ⓗ
JOG(S)
JOG(T)
H.SW
FG/CTL
CTL(VISS)
CTL DUB
OSC
OSC
GND
GND
HI FADE Ⓗ
FADE OUT Ⓗ
EDIT TRIG. Ⓛ
PRE ROLL Ⓗ
PRE ROLL INT Ⓗ
S.TAB Ⓛ
NTSC Ⓛ
L6002 100μ
C6043 0.33
C6004 0.22
C6003 6V33
R6033 220
TP6011
R6121 47K
R6122 47K
R6031 10K
C6024 220P
R6028 22K
R6030 4300
TP6010
C6025 220P
C6026 220P
C6027 220P
C6028 220P
R6096 270
R6098 270
R6125 10K
R6126 10K
D6019 MA165
D6020 MA165
C6050 100P
C6051 100P
R6118 47K
R6140 1K
R6133 560
X6001 VSX0306
C6035 15P
C6036 15P
R6077 100
R6078 100
R6072 47K
R6135 47K
D6015 MA165
R6079 10K
D6011 MA165
D6012 MA165
D6010 MA165
D6009 MA165
A-LINE


REG 5V
REG 12.3V
N.SW 5V
P6004 (TO FRONT INTERFACE)
SUTTLE Ⓛ
SUTTLE Ⓗ
JOG 1
JOG 2
JOG LED Ⓗ
GND
CAS DOWN Ⓗ
MECA Ⓛ
TBC SW Ⓗ
F CAS Ⓛ
P6008 (TO TBC)
TBC TRICK Ⓛ
GND
SEARCH Ⓛ
TBC ON Ⓛ
HOL. DOWN Ⓛ
F CAS Ⓛ
MANUAL Ⓛ
S.CLOCK FC
S.DATA
T-PHOTO Ⓛ
S-PHOTO Ⓛ
GND
MECA EX Ⓛ
S.CAS SW
S. TAB
TBC SW Ⓗ
BGV SW ON Ⓗ
UNREG 14V
REG 12.3V
REG 5V
N SW 5V
UNREG 45V
S.CLOCK(SERVO)
S.DATA(SERVO)
COS
CIS
HC
CCD
H SW
SPEED CHG Ⓗ
F. FADE OUT
F. FADE IN
FADE OUT Ⓛ
N. SW 5.3V
ART V
N. SW 12V
S. DATA
S. CLOCK
BUZZER
EX REC Ⓛ
P6005 (TO TV DEMODU. INTERFACE)
UNREG 45V
N.SW 12V
N.SW 5V
TUNER 12V
VTR 12V
REG 5V
GND
(NV-V8000EG/EB ONLY)
(TO JUMPING CORRECTION)
TUNER 12V
POWER OFF Ⓗ
(NV-V8000B) ONLY
P6006 (TO INPUT/OUTPUT)
EDIT CTL DATA
EDIT CTL CLK
SYSTEM CTL 5V
SYSTEM CTL GND
CLK 13
P6007 (TO FRONT JACK)
PRE ROLL Ⓗ
EDIT TRIG Ⓛ
GND
ART V
REG 5V
M.EDIT Ⓛ
IC6005 MC14066BCP
IC6006 LM393P
Q6009 2SD601 (ON)
QR6034 UN2213 (S-VHS TAPE:ON)
QR6016 UN2213 (INV.)
QR6017 UN2213 (INV.)
Q6017 2SD601 (BUFFER)
QR6026 UN2113 (INV.)
QR6025 UN2211 (INV.)
QR6020 UN2213 (INV.)
Q6014 2SD601 (INV.)
Q6018 2SD601 (BUFFER)
QR6031 UN2211 (INV.)
TP6010
L6003 220μ
L6004 100μ
C6054 6V100
C6056 16V22
TAPE END
SHUTTLE Ⓛ
SHUTTLE Ⓗ
DEW Ⓗ
TBC ON Ⓗ
GND
SCK SLOT
SERIAL SEL
TBC TRICK Ⓛ
TBC ON Ⓛ
TBC SEARCH Ⓛ
S.DATA
S.CLOCK
SE S.DATA
SE S.CLOCK
COS
CIS
HC
CCD
FORCED POW.OFF Ⓛ
PRE ROLL Ⓗ
S.TAB Ⓛ
PRE ROLL INT Ⓗ
NTSC Ⓛ
11
12
13
14
15
16
17

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

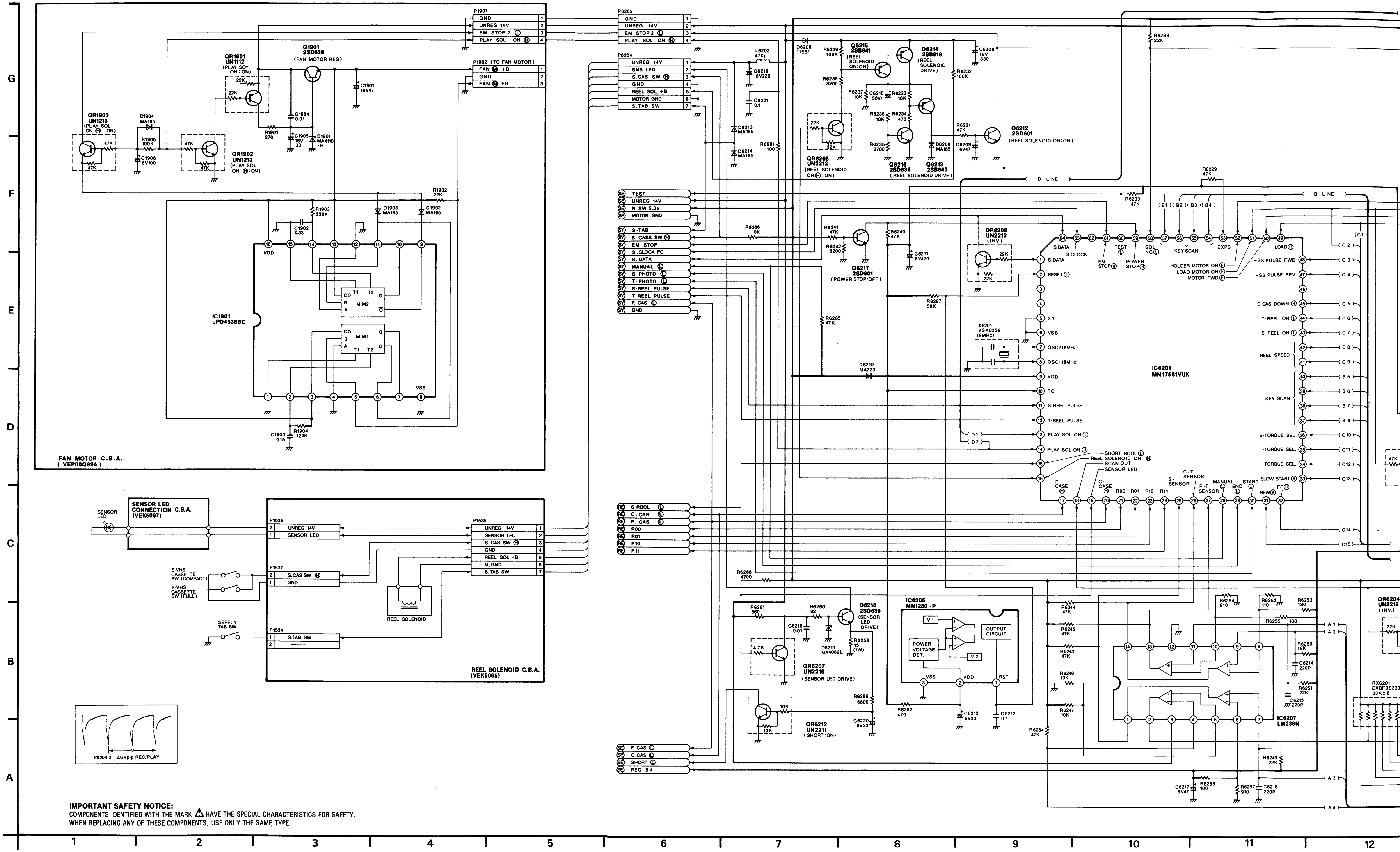
SYSTEM CONTROL ICs DC VOLTAGE CHART (FULL CASSETTE: S-VHS: SP MODE)

REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	4.9	0	0	0	0	0	4.9	0	0	0	0	0	0	0	5.0	0	0	0	0
PLAY	0	4.9	0	0	0	0	4.9	0	0	4.9	0	0	4.9	0	0	5.0	0	0	0	0
FF	0	0	0	0	0	0	0	5.0	0	5.0	0	0	0	0	0	5.0	0	0	0	0
REF. NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	0	4.8	4.8	0.4	5.0	4.4	5.0	—	—	0	0	5.0	0	0	5.0	0	0
PLAY	0	0	0	0	4.8	4.8	3.9	5.0	4.4	5.0	—	—	0	0	4.9	0	0	5.0	1.4	0
FF	0	0	0	0	2.3	2.3	0.4	3.9	2.6	5.0	—	—	0	0	5.0	0	0	5.0	0	0
REF. NO.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0.5	5.0	5.0	5.0	5.0	5.0	5.0	4.7	4.9	0.4	0	4.6	4.9	0.5	5.0	4.9	5.0	4.1	3.7	0
PLAY	0.5	5.0	5.0	4.9	4.9	4.9	4.9	4.7	4.5	0.4	0	4.6	4.9	0.4	4.9	4.9	4.9	4.1	4.2	0
FF	0.5	5.0	5.0	5.0	5.0	5.0	5.0	4.7	4.7	0.4	0	4.6	4.9	0.4	5.0	4.9	5.0	4.1	4.2	0
REF. NO.	IC6001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	3.4	0	1.6	0.5	3.2	4.5	5.0	5.0	0	3.5	5.0	5.0	5.0	5.0	0	5.0	5.0	4.9	4.8	0
PLAY	3.4	0	1.6	0.5	3.2	4.5	5.0	5.0	0	3.5	5.0	4.9	4.9	4.9	0	4.9	0	4.9	4.8	0
FF	3.4	0	1.6	0.5	3.2	4.5	5.0	5.0	0	3.5	5.0	5.0	5.0	5.0	0	5.0	5.0	0	4.8	0
REF. NO.	IC6001										IC6002									
MODE	81	82	83	84							1	2	3							
STOP	0.1	0	5.0	4.9							5.0	5.0	0							
PLAY	0.1	0	4.9	4.9							5.0	5.0	0							
FF	0.1	0	5.0	5.0							5.0	5.0	0							
REF. NO.	IC6003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.1	0	5.0	5.0	0	5.0	0	0	0	5.0	5.0	0	0	5.0						
PLAY	5.0	0	5.0	5.0	0	5.0	0	0	0	5.0	5.0	0	0	5.0						
FF	5.0	0	5.0	4.1	0.8	5.0	0	0	0	5.0	5.0	0	0	5.0						
REF. NO.	IC6004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	4.8	4.8	5.0	0.5	2.0	3.5	5.0	3.5	5.0	0.5	2.0	0	4.8	4.8						
PLAY	4.8	4.8	5.0	0.5	2.0	3.4	4.4	3.5	5.0	3.4	2.0	0	4.8	4.8						
FF	2.2	2.3	5.0	1.8	1.7	3.5	4.7	3.5	4.7	1.9	1.7	0	2.2	2.3						
REF. NO.	IC6005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0	0.9	4.8	0.5	0.9	0	0	0	0	4.8	4.8	0.9	4.9	5.0						
PLAY	0	0.9	4.8	0.5	0.9	0	0	0	0	4.9	4.9	0.9	4.9	5.0						
FF	0	0.9	5.0	0.4	0.9	0	0	0	0	5.0	5.0	0.9	4.6	5.0						
REF. NO.	IC6006																			
MODE	1	2	3	4	5	6	7	8												
STOP	5.0	0	0.6	0	0	2.8	0	5.0												
PLAY	5.0	1.7	0.6	0	1.7	2.8	0	5.0												
FF	5.0	0	0.6	0	0	2.8	0	5.0												

SYSTEM CONTROL TRs DC VOLTAGE CHART (FULL CASSETTE: S-VHS: SP MODE)

REF. NO.	Q6001			Q6002			Q6003			Q6004			Q6009			Q6012		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	11.9	1.0	11.9	11.9	11.9	11.2	11.9	0.2	11.9	11.9	0	11.9	0.5	0.5	1.1	5.1	5.1	5.8
PLAY	11.9	1.0	11.9	11.9	11.9	11.2	11.9	0.3	11.9	11.9	0	11.9	0.5	0.5	1.1	5.0	5.0	5.7
FF	11.9	1.0	11.9	11.9	11.9	11.2	11.9	0.2	11.9	11.9	0	11.9	0.5	0.5	1.1	5.0	5.1	5.8
REF. NO.	Q6013			Q6014			Q6015			Q6016			Q6017			Q6018		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0.6	0	0	0.6	0	0.2	0.2	11.9	0	11.9	4.4	5.2	0.1	0	4.9	0
PLAY	0	0	0.6	0	2.4	0.6	0	0.2	0.2	11.9	0	11.9	4.3	5.2	0.1	0	4.8	0
FF	0	0	0.7	0	0	0.5	0	0.2	0.2	11.9	0	11.9	4.3	5.2	0.1	0	4.9	0
REF. NO.	QR6002			QR6003			QR6004			QR6016			QR6017			QR6018		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	11.9	0	0	11.9	0	0	11.9	0.1	0	4.8	0.4	0	4.9	0.5	5.0	5.0	0
PLAY	0	11.9	0	0	11.9	0	0	11.9	0.1	0	4.1	0.4	0	4.8	0.4	5.0	5.0	0
FF	0	11.9	0	0	11.9	0	0	11.9	0.1	0	4.8	0.4	0	4.9	0.4	5.0	5.0	0
REF. NO.	QR6020			QR6025			QR6026			QR6027			QR6028			QR6029		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	5.0	0	0.1	4.4	5.1	0	5.0	0	5.0	0	5.0	4.9	0	4.9	0	4.9
PLAY	0	2.2	0	0	0.1	4.4	5.0	0	4.9	0	5.0	0	5.0	0.5	4.9	4.9	0.1	4.9
FF	0	0	5.0	0	0.1	4.4	5.0	0	5.0	0	5.0	0	5.0	4.9	0	4.9	0	4.9
REF. NO.	QR6030			QR6031			QR6034			QR6035								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	4.9	0	0	0	4.4	0	0.1	4.4	0	1.6	0						
PLAY	0	4.9	0	0	0	4.3	0	0.1	4.4	1.6	0	0						
FF	0	4.9	0	0	0	4.3	0	0.1	4.4	0	1.6	0						

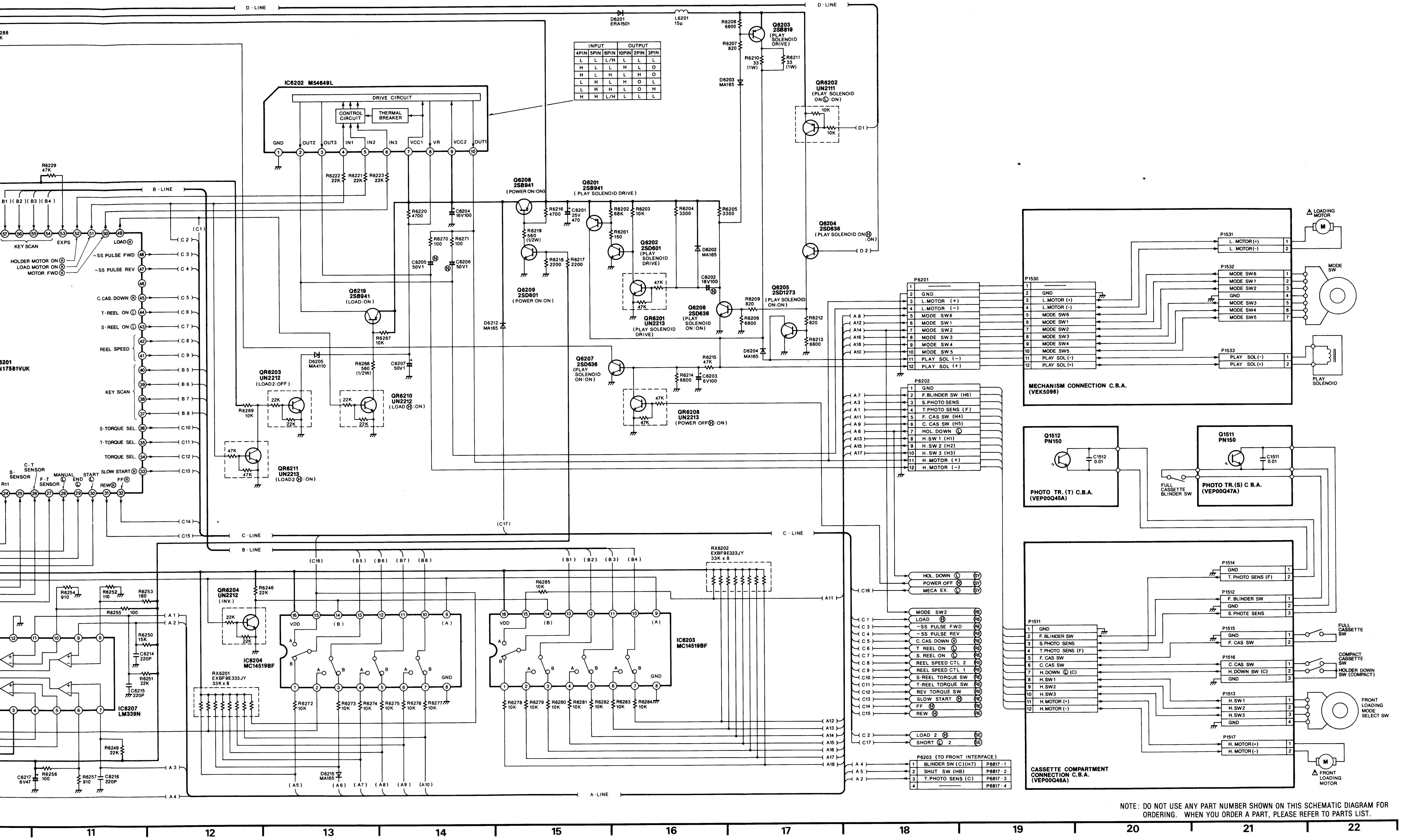
3-20. MECHANISM CONTROL SCHEMATIC DIAGRAM



P1901
GND
UNREG 14V
EM STOP 2 Ⓛ
PLAY SOL ON Ⓗ
Q1901
2SD638
(FAN MOTOR REG)
P1902 (TO FAN MOTOR)
FAN Ⓜ +B
GND
FAN Ⓜ FG
QR1901
UN1112
(PLAY SOY ON : ON)
QR1903
UN1213
(PLAY SOL ON Ⓗ : ON)
QR1902
UN1213
(PLAY SOL ON Ⓗ : ON)
D1904
MA165
R1905
100K
C1906
6V100
C1904
0.01
C1905
16V 33
D1901
MA4110 · H
R1901
270
C1901
16V47
R1902
22K
R1903
220K
D1903
MA165
D1902
MA165
C1902
0.33
IC1901
μPD4538BC
VDD
VSS
M.M2
M.M1
C1903
0.15
R1904
120K
FAN MOTOR C.B.A.
(VEP00Q69A)
SENSOR LED
SENSOR LED CONNECTION C.B.A.
(VEK5097)
P1536
UNREG 14V
SENSOR LED
P1535
UNREG 14V
SENSOR LED
S. CAS. SW Ⓗ
GND
REEL SOL +B
M. GND
S. TAB SW
S-VHS CASSETTE SW (COMPACT)
S-VHS CASSETTE SW (FULL)
P1537
S.CAS SW Ⓗ
GND
SEFETY TAB SW
P1534
S.TAB SW
REEL SOLENOID
REEL SOLENOID C.B.A.
(VEK5095)
P6204-2 2.6Vp-p REC/PLAY
P6205
GND
UNREG 14V
EM STOP 2 Ⓛ
PLAY SOL ON Ⓗ
P6204
UNREG 14V
SNS LED
S.CAS SW Ⓗ
GND
REEL SOL +B
MOTOR GND
S.TAB.SW
L6202
470μ
C6219
16V220
C6221
0.1
D6213
MA165
D6214
MA165
R6291
100
D6209
11ES1
R6239
100K
R6238
8200
Q6215
2SB641
(REEL SOLENOID ON:ON)
Q6214
2SB819
(REEL SOLENOID DRIVE)
C6208
16V 330
R6232
100K
R6237
10K
C6210
50V1
R6233
18K
R6236
10K
R6234
470
R6235
2700
QR6205
UN2212
(REEL SOLENOID ON Ⓗ : ON)
Q6216
2SD636
Q6213
2SB643
(REEL SOLENOID DRIVE)
D6208
MA165
R6231
47K
C6209
6V47
Q6212
2SD601
(REEL SOLENOID ON : ON)
R6288
22K
D · LINE
B · LINE
TEST
UNREG 14V
N.SW 5.3V
MOTOR GND
S · TAB
S CASS SW Ⓗ
EM STOP
S.CLOCK FC
S. DATA
MANUAL
S · PHOTO Ⓛ
T · PHOTO Ⓛ
S · REEL PULSE
T · REEL PULSE
F. CAS Ⓛ
GND
R6266
10K
R6241
47K
R6242
8200
R6240
47K
C6211
6V470
Q6217
2SD601
(POWER STOP : OFF)
R6285
47K
R6287
56K
D6210
MA723
QR6206
UN2212
(INV.)
X6201
VSX0256
(8MHz)
R6230
47K
R6229
47K
IC6201
MN17581VUK
S.DATA
S.CLOCK
EM STOP Ⓗ
TEST Ⓛ
POWER STOP Ⓗ
SOL NG Ⓛ
KEY SCAN
EXPS
LOAD Ⓗ
HOLDER MOTOR ON Ⓗ
LOAD MOTOR ON Ⓗ
MOTOR FWD Ⓗ
–SS PULSE FWD
–SS PULSE REV
RESET Ⓛ
X1
VSS
OSC2 (8MHz)
OSC1 (8MHz)
VDD
TC
S·REEL PULSE
T·REEL PULSE
PLAY SOL.ON Ⓛ
PLAY SOL.ON Ⓗ
C.CAS. DOWN Ⓗ
T · REEL ON Ⓛ
S · REEL ON Ⓛ
REEL SPEED
KEY SCAN
S·TORQUE SEL.
T·TORQUE SEL.
TORQUE SEL.
SLOW START Ⓗ
SHORT ROOL Ⓛ
REEL SOLENOID ON Ⓗ
SCAN OUT
SENSOR LED
F · CASE Ⓗ
C · CASE Ⓗ
R00
R01
R10
R11
S · SENSOR
C · T SENSOR
F · T SENSOR
MANUAL
END Ⓛ
START Ⓛ
REW Ⓗ
FF Ⓗ
(B1)(B2)(B3)(B4)
(C1)
C2
C3
C4
C5
C6
C7
C8
C9
B5
B6
B7
B8
C10
C11
C12
C13
C14
C15
D1
D2
S ROOL Ⓛ
C. CAS Ⓛ
F. CAS Ⓛ
R00
R01
R10
R11
R6288
4700
R6261
560
R6260
82
C6218
0.01
D6211
MA4062L
Q6218
2SD639
(SENSOR LED DRIVE)
R6259
15 (1W)
4.7K
QR6207
UN2216
(SENSOR LED DRIVE)
R6286
6800
C6220
6V22
QR6212
UN2211
(SHORT : ON)
IC6206
MN1280 · P
V1
V2
POWER VOLTAGE DET.
OUTPUT CIRCUIT
VSS
VDD
RST
R6262
470
C6213
6V33
C6212
0.1
R6264
47K
R6244
47K
R6245
47K
R6243
47K
R6248
10K
R6247
10K
R6254
910
R6252
110
R6253
180
R6255
100
R6250
15K
C6214
220P
R6251
22K
C6215
220P
IC6207
LM339N
R6249
22K
C6217
6V47
R6256
100
R6257
910
C6216
220P
A1
A2
A3
A4
QR6204
UN2212
(INV.)
RX6201
EXBF9E333
33K x 8
F. CAS Ⓛ
C. CAS Ⓛ
SHORT Ⓛ
REG 5V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

Back Page:
SYSTEM CONTROL Section


D·LINE
D6201
ERA1501
L6201
15µ
R6208
6800
R6207
820
Q6203
2SB819
(PLAY SOLENOID DRIVE)
R6210
33
(1W)
R6211
33
(1W)
D6203
MA165
QR6202
UN2111
(PLAY SOLENOID ON Ⓛ:ON)
10K
10K
D1
IC6202 M54649L
DRIVE CIRCUIT
CONTROL CIRCUIT
THERMAL BREAKER
GND
OUT2
OUT3
IN1
IN2
IN3
VCC1
VR
VCC2
OUT1
R6229
47K
B·LINE
R6222
22K
R6221
22K
R6223
22K
Q6208
2SB941
(POWER ON:ON)
Q6201
2SB941
(PLAY SOLENOID DRIVE)
R6220
4700
C6204
16V100
R6216
4700
C6201
25V
470
R6202
68K
R6203
10K
R6204
3300
R6205
3300
Q6204
2SD636
(PLAY SOLENOID ON Ⓗ:ON)
D2
R6270
100
R6271
100
R6219
560
(1/2W)
R6201
150
Q6202
2SD601
(PLAY SOLENOID DRIVE)
D6202
MA165
C6205
50V1
C6206
50V1
R6218
2200
R6217
2200
C6202
16V100
Q6209
2SD601
(POWER ON:ON)
Q6219
2SB941
(LOAD:ON)
QR6201
UN2213
(PLAY SOLENOID DRIVE)
47K
Q6206
2SD636
(PLAY SOLENOID ON:ON)
R6209
820
R6206
6800
Q6205
2SD1273
(PLAY SOLENOID ON:ON)
R6212
820
R6213
6800
D6212
MA165
R6267
10K
D6204
MA165
D6205
MA4110
R6268
560
(1/2W)
C6207
50V1
Q6207
2SD636
(PLAY SOLENOID ON:ON)
R6215
47K
R6214
6800
C6203
6V100
QR6203
UN2212
(LOAD2:OFF)
QR6210
UN2212
(LOAD Ⓗ:ON)
QR6208
UN2213
(POWER OFF Ⓗ:ON)
R6269
10K
QR6211
UN2213
(LOAD2 Ⓗ:ON)
R6288
K
B1 B2 B3 B4
KEY SCAN
EXPS
LOAD Ⓗ
HOLDER MOTOR ON Ⓗ
LOAD MOTOR ON Ⓗ
MOTOR FWD Ⓗ
-SS PULSE FWD
-SS PULSE REV
C.CAS.DOWN Ⓗ
T-REEL ON Ⓛ
S-REEL ON Ⓛ
REEL SPEED
KEY SCAN
S-TORQUE SEL.
T-TORQUE SEL.
TORQUE SEL.
SLOW START Ⓗ
FF Ⓗ
REW Ⓗ
S-SENSOR
C-T SENSOR
F-T SENSOR
MANUAL Ⓛ
END Ⓛ
START Ⓛ
R11
201
17581VUK
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15
B5 B6 B7 B8
C·LINE
B·LINE
(C17)
(C16)
RX6202
EXBF9E333JY
33K x 8
R6254
910
R6252
110
R6253
180
R6255
100
R6250
15K
C6214
220P
R6251
22K
C6215
220P
IC6207
LM339N
R6249
22K
C6217
6V47
R6256
100
R6257
910
C6216
220P
QR6204
UN2212
(INV.)
R6246
22K
IC6204
MC14519BF
RX6201
EXBF9E333JY
33K x 8
R6272 10K
R6273 10K
R6274 10K
R6275 10K
R6276 10K
R6277 10K
VDD
GND
R6285
10K
IC6203
MC14519BF
R6278 10K
R6279 10K
R6280 10K
R6281 10K
R6282 10K
R6283 10K
R6284 10K
D6215
MA165
(A5) (A6) (A7) (A8) (A9) (A10)
A·LINE
A1 A2 A3 A4 A11 A12 A13 A14 A15 A16 A17 A18
P6201
GND
L.MOTOR (+)
L.MOTOR (−)
MODE SW6
MODE SW1
MODE SW2
MODE SW3
MODE SW4
MODE SW5
PLAY SOL (−)
PLAY SOL (+)
P6202
GND
F.BLINDER SW (H6)
S.PHOTO SENS
T.PHOTO SENS (F)
F. CAS SW (H4)
C. CAS SW (H5)
HOL.DOWN Ⓛ
H.SW1 (H1)
H.SW2 (H2)
H.SW3 (H3)
H.MOTOR (+)
H.MOTOR (−)
HOL. DOWN Ⓛ SY
POWER OFF Ⓗ SY
MECA EX. Ⓛ SY
MODE SW2 RE
LOAD Ⓗ RE
−SS PULSE FWD RE
−SS PULSE REV RE
C.CAS. DOWN Ⓗ RE
T. REEL ON Ⓛ RE
S. REEL ON Ⓛ RE
REEL SPEED CTL 2 RE
REEL SPEED CTL 1 RE
S-REEL TORQUE SW RE
T-REEL TORQUE SW RE
REV TORQUE SW RE
SLOW START Ⓗ RE
FF Ⓗ RE
REW Ⓗ RE
LOAD 2 Ⓗ SE
SHORT Ⓛ 2 SE
P6203 (TO FRONT INTERFACE)
BLINDER SW (C)(H7) P6817·1
SHUT SW (HB) P6817·2
T.PHOTO SENS (C) P6817·3
P6817·4
P1530
GND
L.MOTOR (+)
L.MOTOR (−)
MODE SW6
MODE SW1
MODE SW2
MODE SW3
MODE SW4
MODE SW5
PLAY SOL (−)
PLAY SOL (+)
P1531
L. MOTOR (+)
L. MOTOR (−)
LOADING MOTOR
P1532
MODE SW6
MODE SW1
MODE SW2
GND
MODE SW3
MODE SW4
MODE SW5
MODE SW
P1533
PLAY SOL (−)
PLAY SOL (+)
PLAY SOLENOID
MECHANISM CONNECTION C.B.A.
(VEK5096)
Q1512
PN150
C1512
0.01
PHOTO TR. (T) C.B.A.
(VEP00Q45A)
Q1511
PN150
C1511
0.01
FULL CASSETTE BLINDER SW
PHOTO TR. (S) C B.A.
(VEP00Q47A)
P1511
GND
F. BLINDER SW
S.PHOTO SENS
T.PHOTO SENS (F)
F. CAS SW
C.CAS SW
H.DOWN Ⓛ (C)
H.SW1
H.SW2
H.SW3
H.MOTOR (+)
H.MOTOR (−)
P1514
GND
T. PHOTO SENS (F)
P1512
F. BLINDER SW
GND
S. PHOTE SENS
P1515
GND
F. CAS SW
FULL CASSETTE SW
P1516
C.CAS SW
H.DOWN SW (C)
GND
COMPACT CASSETTE SW
HOLDER DOWN SW (COMPACT)
P1513
H.SW1
H.SW2
H.SW3
GND
FRONT LOADING MODE SELECT SW
P1517
H. MOTOR (+)
H. MOTOR (−)
FRONT LOADING MOTOR
CASSETTE COMPARTMENT CONNECTION C.B.A.
(VEP00Q46A)
11 12 13 14 15 16 17 18 19 20 21 22

INPUT			OUTPUT		
4PIN	5PIN	6PIN	10PIN	2PIN	3PIN
L	L	L/H	L	L	L
H	L	L	H	L	O
H	L	H	L	H	O
L	H	L	H	O	L
L	H	H	L	O	H
H	H	L/H	L	L	L

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

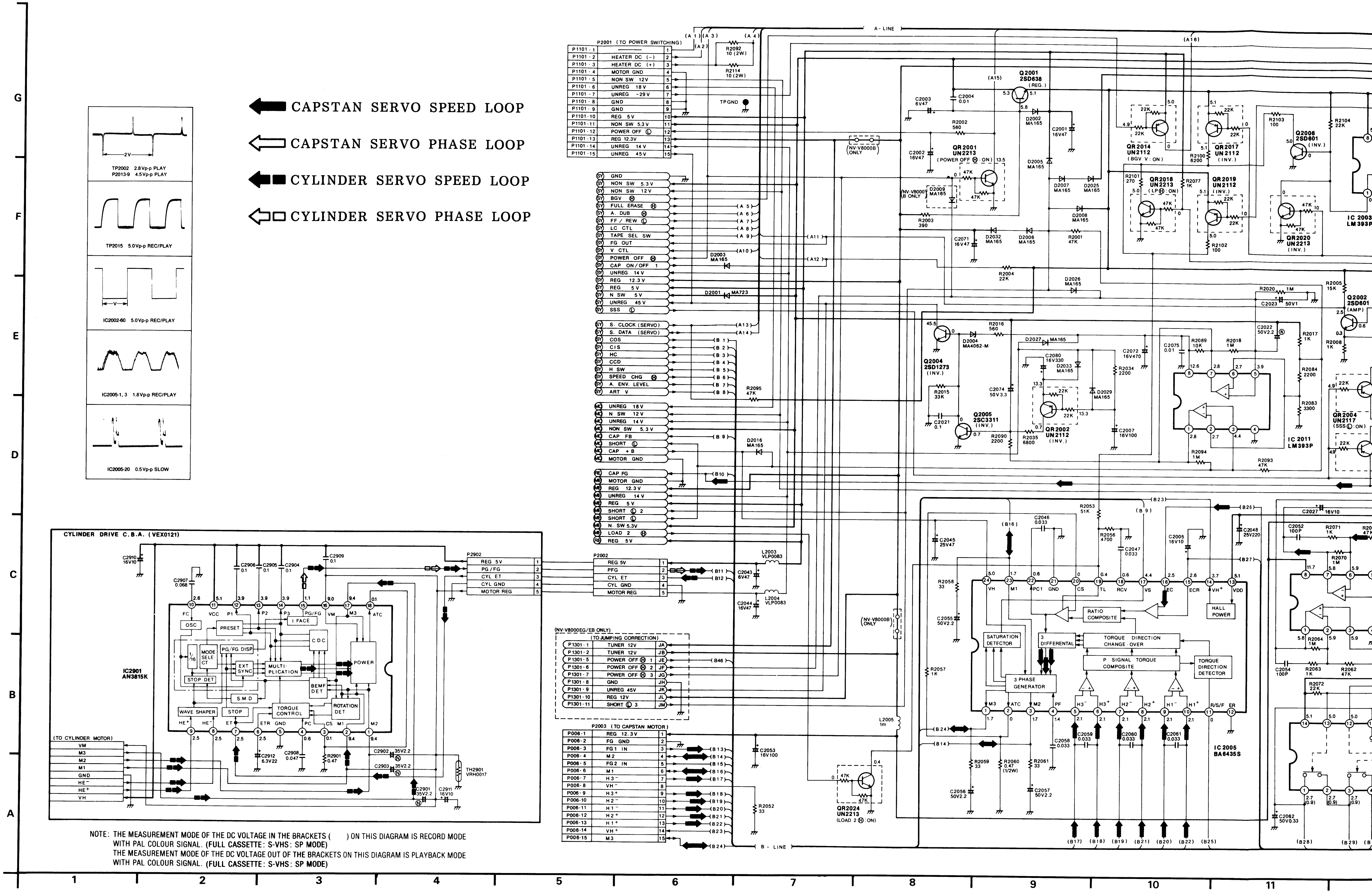
MECHANISM CONTROL ICs DC VOLTAGE CHART
(FULL CASSETTE: S-VHS: SP MODE)

REF. NO.	IC1901																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	0	0.1	0	0	0.1	0	0.1	0	0	0	0	0				
PLAY	0	4.0	10.7	0	5.2	—	0	0	10.7	0	—	0	10.7	10.5	0	10.7				
FF	0	0	0.2	0	0.2	—	0	0	0.1	0	—	0	0.1	0.1	0	0.1				
REF. NO.	IC6201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.3	5.1	3.4	5.0	0	0	2.3	2.3	5.1	5.1	0	0	5.1	0	5.1	0	4.9	5.0	4.9	0
PLAY	0.3	5.1	3.4	5.0	0	0	2.3	2.3	5.1	5.1	0	4.8	0	4.9	5.0	0	4.9	5.0	4.5	0
FF	0.3	5.1	3.4	5.0	0	0	2.3	2.3	5.1	5.1	2.5	2.6	5.1	0	5.1	0	4.9	5.0	4.3	0
REF. NO.	IC6201																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	5.0	0	0	5.3	0	5.0	5.0	0	0	0	0	0	0	0	5.4	5.4	0	5.4
PLAY	0	0	0	0	5.3	5.3	0	4.9	5.0	0	0	0	0	0	0	0	5.4	5.3	0	0
FF	0	0	5.0	5.0	5.3	5.3	5.3	0	5.0	5.0	0	4.8	0	0	0	0	5.4	5.4	0	5.4
REF. NO.	IC6201																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	5.0	5.0	5.0	5.0	0	0	0	0	0	0	0	0	0	0	5.4	5.4	0	0	0	5.1
PLAY	0	5.0	0	0	0	0	0	0	0	0	0	0	5.0	0	5.3	5.3	0	5.3	0	5.0
FF	0	0	0	0	0	0	0	0	0	0	0	0	5.1	0	5.4	5.4	0	5.4	0	5.1
REF. NO.	IC6201																			
MODE	61	62	63	64																
STOP	0	0	4.8	4.8																
PLAY	0	0.1	4.9	4.5																
FF	0	0.1	4.9	4.7																
REF. NO.	IC6202																			
MODE	1	2	3	4	5	6	7	8	9	10										
STOP	0	0.2	0.2	0	0	0	13.4	11.1	13.4	0.2										
PLAY	0	0.2	0.2	0	0	0	13.3	11.1	13.3	0.2										
FF	0	0.2	0.2	0	0	0	13.3	11.1	13.3	0.2										
REF. NO.	IC6203																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	5.3	5.3	5.3	5.3	0	5.3	0	5.0	0	5.4	5.4	0	0	0	5.4				
PLAY	5.3	5.3	5.3	5.3	5.2	0	5.3	0	5.0	0	5.3	5.3	0	0	0	5.3				
FF	0	5.3	5.3	5.3	5.3	0	5.3	0	5.0	0	5.4	5.4	0	0	0	5.4				
REF. NO.	IC6204																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	5.0	0	0.5	5.3	5.3	5.3	5.3	0	5.0	5.4	5.4	0	5.4	0	5.4	5.4				
PLAY	5.3	0	0.5	5.3	0	5.3	5.3	0	5.0	5.3	5.3	0	5.3	0	5.3	5.3				
FF	5.3	0	0.5	5.3	5.3	5.3	5.3	0	5.0	5.4	5.4	0	5.4	0	5.4	5.4				
REF. NO.	IC6206																			
MODE	1	2	3																	
STOP	5.1	5.1	0																	
PLAY	5.1	5.1	0																	
FF	5.1	5.1	0																	
REF. NO.	IC6207																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.3	0	13.4	5.3	2.7	4.5	5.0	1.9	5.0	4.5	5.0	0	5.3	5.3						
PLAY	5.3	0	13.3	5.2	2.6	4.5	5.0	2.0	5.0	4.5	5.0	0	5.3	5.3						
FF	5.3	0	13.4	5.3	2.7	4.5	5.0	1.9	5.0	4.5	5.0	0	5.3	5.3						

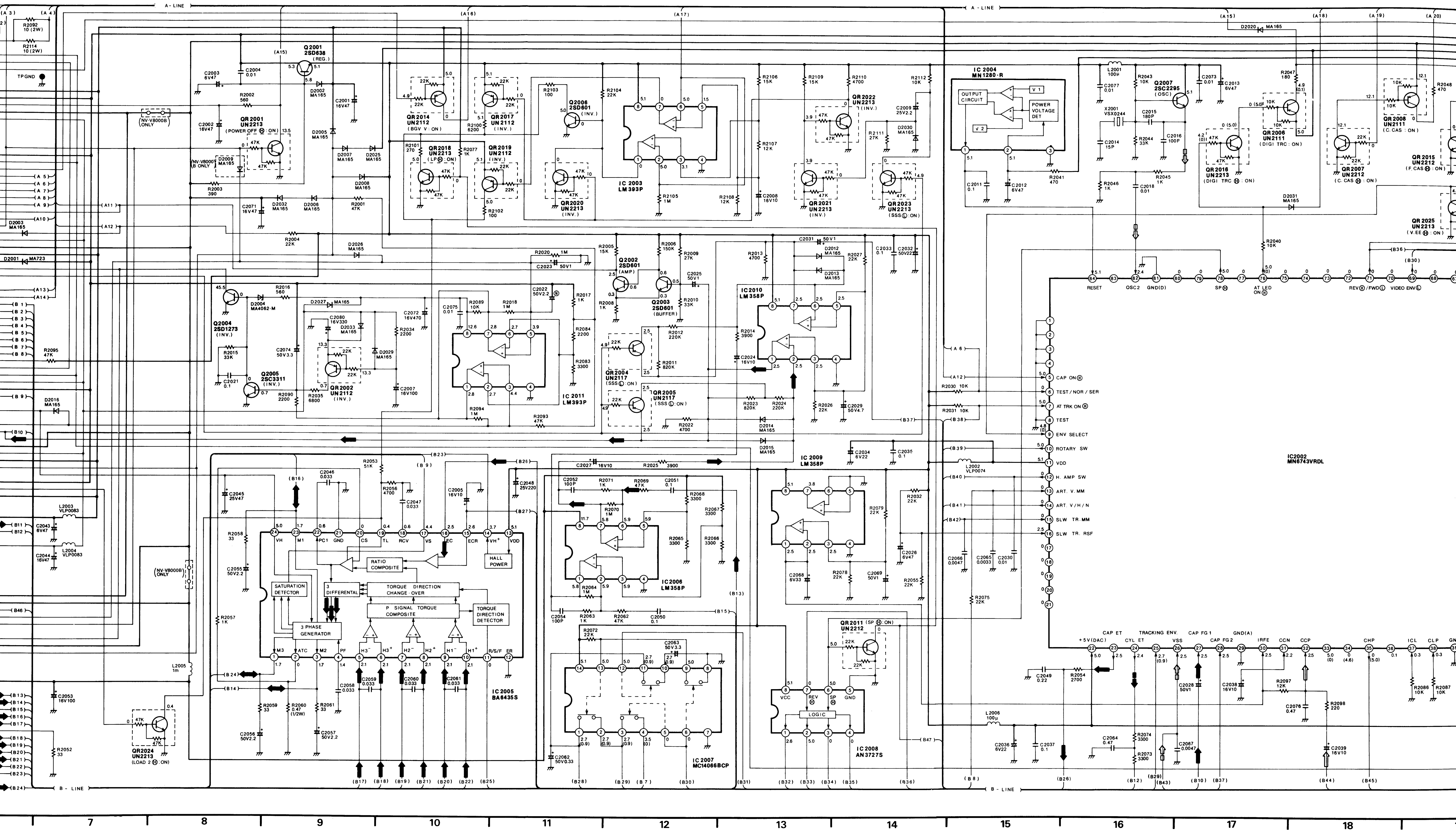
MECHANISM CONTROL TRs DC VOLTAGE CHART
(FULL CASSETTE: S-VHS: SP MODE)

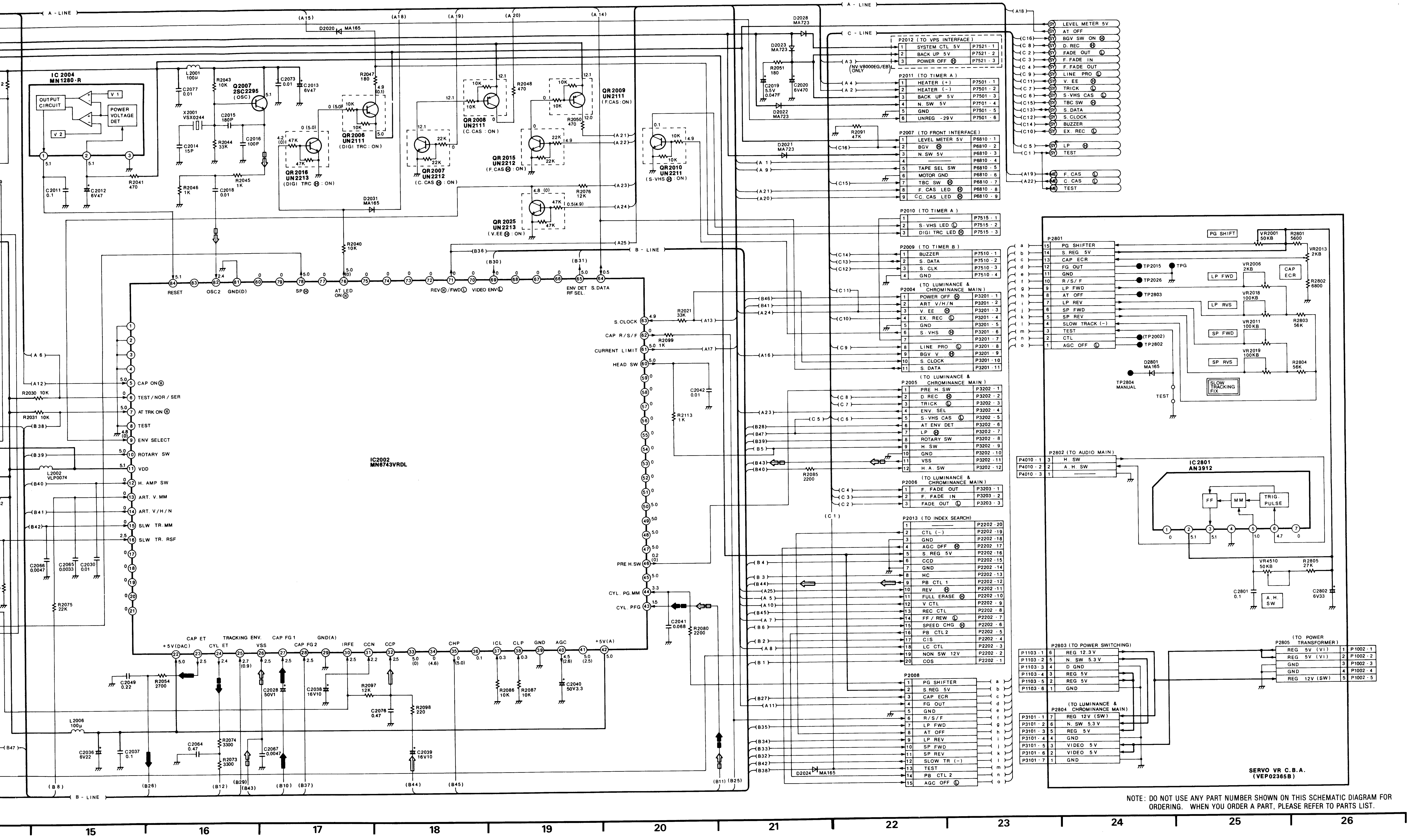
REF. NO.	Q1901			Q6201			Q6202			Q6203			Q6204			Q6205		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	13.4	0.5	13.3	0	13.4	0	13.3	0	5.1	0	5.1	0	0	0	0	0	0
PLAY	10.7	13.3	11.4	13.2	1.4	13.3	0	13.0	0	4.4	4.2	3.7	4.5	4.3	4.9	0	0	0
FF	0.1	13.3	0.6	13.4	0	13.3	0	13.3	0	5.0	0	5.0	0	0	0	0	0	0
REF. NO.	Q6206			Q6207			Q6208			Q6209			Q6212			Q6213		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	13.4	0	0	5.4	0	12.7	13.4	13.4	0	0	0.7	0	5.3	0	0	0	0
PLAY	0	0	0.8	0	5.3	0.2	12.6	13.3	13.3	0	0	0.7	0	5.3	0	0	0	0
FF	0	13.3	0	0	5.4	0	12.6	13.3	13.3	0	0	0.7	0	5.4	0	0	0	0
REF. NO.	Q6214			Q6215			Q6216			Q6217			Q6218			Q6219		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	13.0	0	12.4	12.4	0	12.8	0	0	0	0	0	0.6	0	12.7	0.1	13.3	0.2	13.4
PLAY	13.0	0	12.3	12.4	0	12.7	0	0	0	0	0	0.6	0.3	12.1	0.8	13.3	0.2	13.3
FF	13.0	0	12.4	12.4	0	12.8	0	0	0	0	0	0.6	0.6	12.1	0.4	13.3	0.2	13.3
REF. NO.	QR1901			QR1902			QR1903			QR6201			QR6202			QR6203		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	13.4	0.5	13.4	0	13.4	0	0	5.4	0	0	0	12.6	5.1	0	5.1	0	0	3.7
PLAY	13.3	13.2	0	0	0	4.9	4.7	5.3	4.8	0.7	0	12.5	4.4	4.3	0	0	0	3.7
FF	13.4	0.6	13.3	0	13.3	0	0	5.4	0.1	0	0	12.5	5.1	0	5.1	0	0	3.7
REF. NO.	QR6204			QR6205			QR6206			QR6207			QR6208			QR6210		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	5.0	0	12.8	0	0	4.6	0.3	0	0.1	4.9	0	0	0	0	13.3	0
PLAY	0	0	5.0	0	12.7	0	0	4.1	0.3	0	1.0	4.3	0	0.2	0	0	13.3	0
FF	0	0	5.0	0	12.7	0	0	4.5	0.3	0	0.5	4.3	0	0	0	0	13.3	0
REF. NO.	QR6211			QR6212														
MODE	E	C	B	E	C	B												
STOP	0	3.7	0	0	4.4	0												
PLAY	0	3.7	0	0	4.4	0.4												
FF	0	3.7	0	0	4.4	0.4												

3-21. SERVO SCHEMATIC DIAGRAM


CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
TP2002 2.8Vp-p PLAY
P2013-9 4.5Vp-p PLAY
TP2015 5.0Vp-p REC/PLAY
IC2002-60 5.0Vp-p REC/PLAY
IC2005-1, 3 1.8Vp-p REC/PLAY
IC2005-20 0.5Vp-p SLOW
CYLINDER DRIVE C.B.A. (VEX0121)
IC2901 AN3815K
(TO CYLINDER MOTOR)
P2001 (TO POWER SWITCHING)
P2002
P2003 (TO CAPSTAN MOTOR)
(NV-V8000EG/EB ONLY) (TO JUMPING CORRECTION)
Q2001 2SD638 (REG.)
QR2001 UN2213 (POWER OFF Ⓗ ON)
Q2004 2SD1273 (INV.)
Q2005 2SC3311 (INV.)
QR2002 UN2112 (INV.)
IC2011 LM393P
IC2005 BA6435S
QR2024 UN2213 (LOAD 2 Ⓗ ON)
QR2014 UN2112 (BGV V : ON)
QR2018 UN2213 (LP Ⓗ : ON)
QR2017 UN2112 (INV.)
QR2019 UN2112 (INV.)
QR2020 UN2213 (INV.)
Q2006 2SD601 (INV.)
Q2002 2SD601 (AMP)
QR2004 UN2117 (SSS Ⓛ : ON)
IC2003 LM393P
A - LINE
B - LINE

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

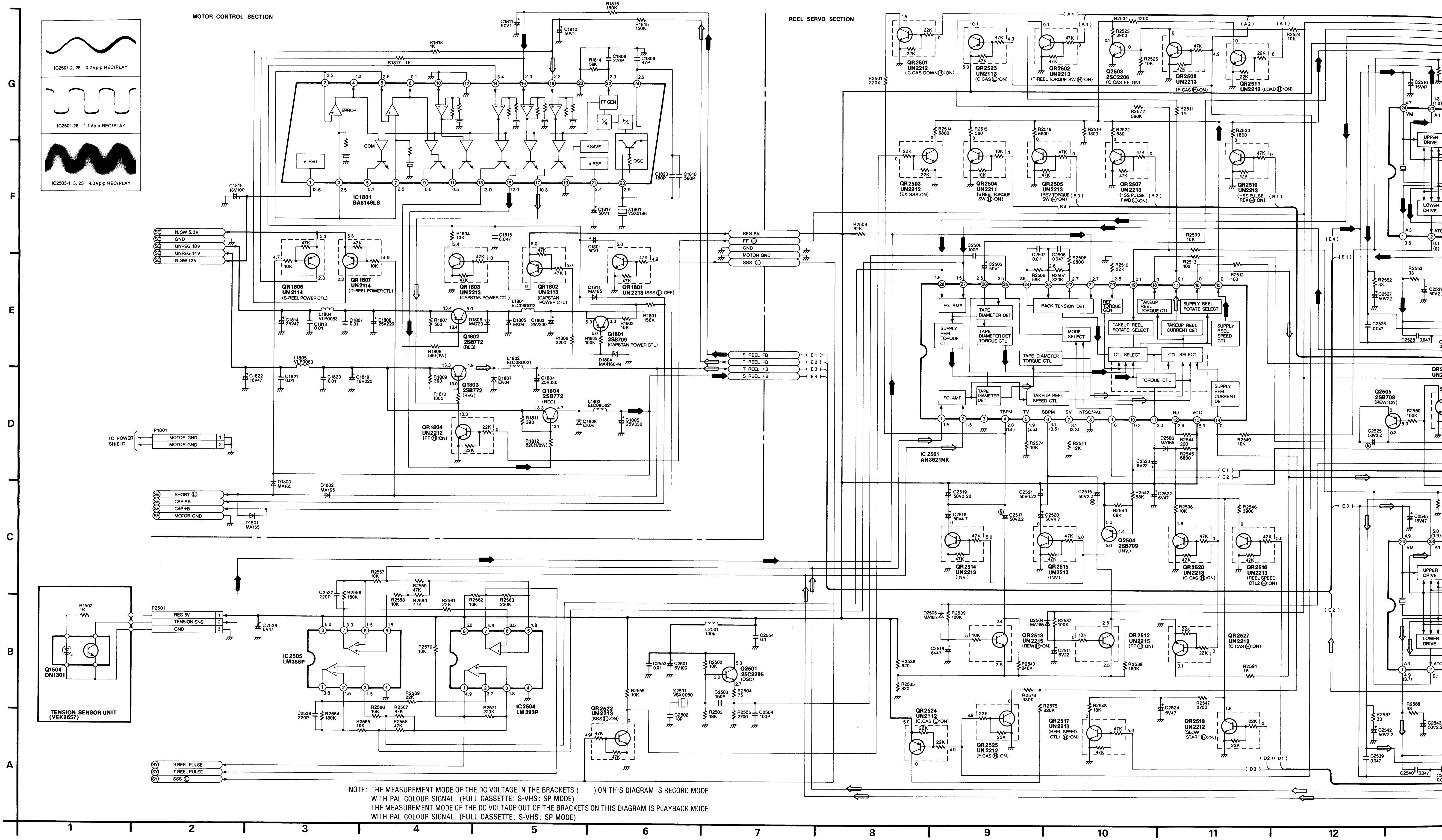

A - LINE
B - LINE
TP GND
Q2001 2SD638 (REG.)
QR2001 UN2213 (POWER OFF Ⓗ : ON)
(NV-V8000B) ONLY
QR2014 UN2112 (BGV V : ON)
QR2017 UN2112 (INV.)
QR2018 UN2213 (LP Ⓗ : ON)
QR2019 UN2112 (INV.)
Q2006 2SD601 (INV.)
QR2020 UN2213 (INV.)
IC 2003 LM393P
QR2022 UN2213 (INV.)
QR2021 UN2213 (INV.)
QR2023 UN2213 (SSS Ⓛ : ON)
IC 2004 MN1280-R
OUTPUT CIRCUIT
POWER VOLTAGE DET
V 1
V 2
Q2007 2SC2295 (OSC)
X2001 VSX0244
QR2016 UN2213 (DIGI TRC Ⓗ : ON)
QR2006 UN2111 (DIGI TRC : ON)
QR2007 UN2212 (C. CAS Ⓗ : ON)
QR2008 UN2111 (C. CAS : ON)
QR2015 UN2212 (F. CAS Ⓗ : ON)
QR2025 UN2213 (V. EE Ⓗ : ON)
Q2004 2SD1273 (INV.)
Q2005 2SC3311 (INV.)
QR2002 UN2112 (INV.)
IC 2011 LM393P
Q2002 2SD601 (AMP)
Q2003 2SD601 (BUFFER)
QR2004 UN2117 (SSS Ⓛ : ON)
QR2005 UN2117 (SSS Ⓛ : ON)
IC2010 LM358P
IC 2009 LM358P
IC2002 MN6743VRDL
RESET
OSC2
GND(D)
SP Ⓗ
AT LED ON Ⓗ
REV Ⓗ / FWD Ⓛ
VIDEO ENV Ⓛ
CAP ON Ⓗ
TEST / NOR / SER
AT TRK ON Ⓗ
TEST
ENV SELECT
ROTARY SW
VDD
H. AMP SW
ART. V. MM
ART. V/H/N
SLW TR. MM
SLW TR. RSF
+5V(DAC)
CAP ET
CYL ET
TRACKING ENV.
VSS
CAP FG 1
CAP FG 2
GND(A)
IRFE
CCN
CCP
CHP
ICL
CLP
IC 2005 BA6435S
SATURATION DETECTOR
3 DIFFERENTAL
RATIO COMPOSITE
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
HALL POWER
VH M1 PC1 GND CS TL RCV VS EC ECR VH+ VDD
M3 ATC M2 PF H3− H3+ H2− H2+ H1− H1+ R/S/F ER
IC2006 LM358P
IC 2007 MC14066BCP
QR2011 UN2212 (SP Ⓗ : ON)
IC 2008 AN3727S
VCC REV SP GND
LOGIC
QR2024 UN2213 (LOAD 2 Ⓗ : ON)
L2002 VLP0074
L2003 VLP0083
L2004 VLP0083
L2005 1m
L2006 100μ
L2001 100μ
7
8
9
10
11
12
13
14
15
16
17
18


A - LINE
B - LINE
C - LINE
IC 2004 MN1280-R
OUTPUT CIRCUIT
POWER VOLTAGE DET
Q2007 2SC2295 (OSC)
X2001 VSX0244
QR2016 UN2213 (DIGI TRC Ⓗ : ON)
QR2006 UN2111 (DIGI TRC : ON)
QR2008 UN2111 (C.CAS : ON)
QR2007 UN2212 (C.CAS Ⓗ : ON)
QR2015 UN2212 (F.CAS Ⓗ : ON)
QR2025 UN2213 (V.EE Ⓗ : ON)
QR2009 UN2111 (F.CAS : ON)
QR2010 UN2211 (S-VHS Ⓗ : ON)
IC2002 MN6743VRDL
RESET
OSC2
GND(D)
SP Ⓗ
AT LED ON Ⓗ
REV Ⓗ / FWD Ⓛ
VIDEO ENV Ⓛ
ENV DET RF SEL.
S.DATA
S.CLOCK
CAP R/S/F
CURRENT LIMIT
HEAD SW
PRE H.SW
CYL. PG.MM
CYL. PFG
CAP ON Ⓗ
TEST / NOR / SER
AT TRK ON Ⓗ
TEST
ENV SELECT
ROTARY SW
VDD
H. AMP SW
ART. V.MM
ART. V/H/N
SLW TR.MM
SLW TR. RSF
+5V (DAC)
CAP ET
CYL ET
TRACKING ENV.
VSS
CAP FG 1
CAP FG 2
GND(A)
IRFE
CCN
CCP
CHP
ICL
CLP
GND
AGC
+5V(A)
P2012 (TO VPS INTERFACE)
P2011 (TO TIMER A)
P2007 (TO FRONT INTERFACE)
P2010 (TO TIMER A)
P2009 (TO TIMER B)
P2004 (TO LUMINANCE & CHROMINANCE MAIN)
P2005 (TO LUMINANCE & CHROMINANCE MAIN)
P2006 (TO LUMINANCE & CHROMINANCE MAIN)
P2013 (TO INDEX SEARCH)
P2008
P2801
P2802 (TO AUDIO MAIN)
IC2801 AN3912
FF
MM
TRIG. PULSE
P2803 (TO POWER SWITCHING)
P2804 (TO LUMINANCE & CHROMINANCE MAIN)
P2805 (TO POWER TRANSFORMER)
PG SHIFT
LP FWD
LP RVS
SP FWD
SP RVS
CAP ECR
SLOW TRACKING FIX
A.H. SW
TP2804 MANUAL
SERVO VR C.B.A. (VEP02365B)
15
16
17
18
19
20
21
22
23
24
25
26

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Next Page:
REEL SERVO & INDEX Section

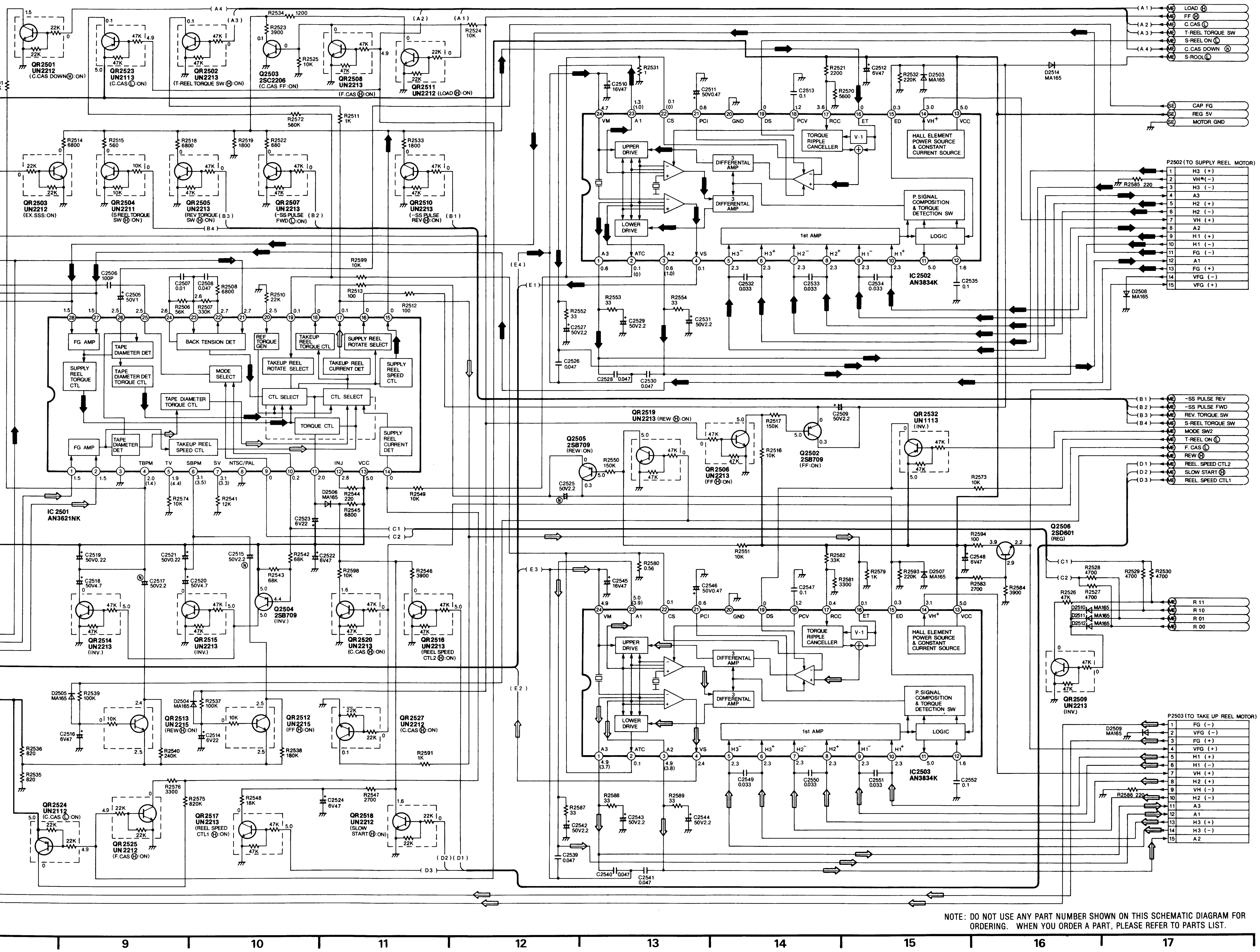
3-22. REEL SERVO & MOTER CONTROL SCHEMATIC DIAGRAM


SUPPLY REEL DRIVE
TAKE UP REEL DRIVE
MOTOR CONTROL SECTION
REEL SERVO SECTION
IC2501-2, 28 0.2Vp-p REC/PLAY
IC2501-26 1.1Vp-p REC/PLAY
IC2503-1, 3, 23 4.0Vp-p REC/PLAY
IC1801
BA6149LS
ERROR
COM
V REG
FF GEN
OSC
P.SAVE
V.REF
N.SW 5.3V
GND
UNREG 18V
UNREG 14V
N.SW 12V
QR1806
UN2114
(S-REEL POWER CTL)
QR1807
UN2114
(T-REEL POWER CTL)
QR1803
UN2213
(CAPSTAN POWER CTL)
QR1802
UN2113
(CAPSTAN POWER CTL)
QR1801
UN2213 (SSS Ⓛ:OFF)
Q1801
2SB709
(CAPSTAN POWER CTL)
Q1802
2SB772
(REG)
Q1803
2SB772
(REG)
Q1804
2SB772
(REG)
QR1804
UN2212
(FF Ⓗ:ON)
P1801
MOTOR GND
TO POWER SHIELD
SHORT Ⓛ
CAP FB
CAP +B
MOTOR GND
REG 5V
FF Ⓗ
MOTOR GND
SSS Ⓛ
S·REEL FB
T·REEL FB
T·REEL +B
S·REEL +B
TENSION SENSOR UNIT
(VEK2657)
Q1504
ON1301
P2501
REG 5V
TENSION SNS
GND
IC2505
LM358P
IC2504
LM393P
Q2501
2SC2295
(OSC)
X2501
VSX0060
QR2522
UN2213
(SSS Ⓛ:ON)
S REEL PULSE
T REEL PULSE
SSS Ⓛ
QR2501
UN2212
(C.CAS DOWN Ⓗ:ON)
QR2523
UN2113
(C.CAS Ⓛ:ON)
QR2502
UN2213
(T-REEL TORQUE SW Ⓗ:ON)
Q2503
2SC2206
(C.CAS FF:ON)
QR2508
UN2213
(F.CAS Ⓗ:ON)
QR2511
UN2212 (LOAD Ⓗ:ON)
QR2503
UN2212
(EX.SSS:ON)
QR2504
UN2211
(S.REEL TORQUE SW Ⓗ:ON)
QR2505
UN2213
(REV TORQUE SW Ⓗ:ON)
QR2507
UN2213
(~SS PULSE FWD Ⓛ:ON)
QR2510
UN2213
(~SS PULSE REV Ⓗ:ON)
IC2501
AN3621NK
FG AMP
SUPPLY REEL TORQUE CTL
TAPE DIAMETER DET
TAPE DIAMETER DET TORQUE CTL
BACK TENSION DET
REF TORQUE GEN
TAKEUP REEL TORQUE CTL
SUPPLY REEL ROTATE SELECT
TAKEUP REEL ROTATE SELECT
TAKEUP REEL CURRENT DET
SUPPLY REEL SPEED CTL
MODE SELECT
TAPE DIAMETER TORQUE CTL
CTL SELECT
TORQUE CTL
TAKEUP REEL SPEED CTL
SUPPLY REEL CURRENT DET
TBPM
TV
SBPM
SV
NTSC/PAL
INJ
VCC
QR2514
UN2213
(INV.)
QR2515
UN2213
(INV.)
Q2504
2SB709
(INV.)
QR2520
UN2213
(C.CAS Ⓗ:ON)
QR2516
UN2213
(REEL SPEED CTL2 Ⓗ:ON)
QR2513
UN2215
(REW Ⓗ:ON)
QR2512
UN2215
(FF Ⓗ:ON)
QR2527
UN2212
(C.CAS Ⓗ:ON)
QR2524
UN2112
(C.CAS Ⓛ:ON)
QR2525
UN2212
(F.CAS Ⓗ:ON)
QR2517
UN2213
(REEL SPEED CTL1 Ⓗ:ON)
QR2518
UN2212
(SLOW START Ⓗ:ON)
Q2505
2SB709
(REW:ON)
VM
UPPER DRIVE
LOWER DRIVE
A1
A3
ATC
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G

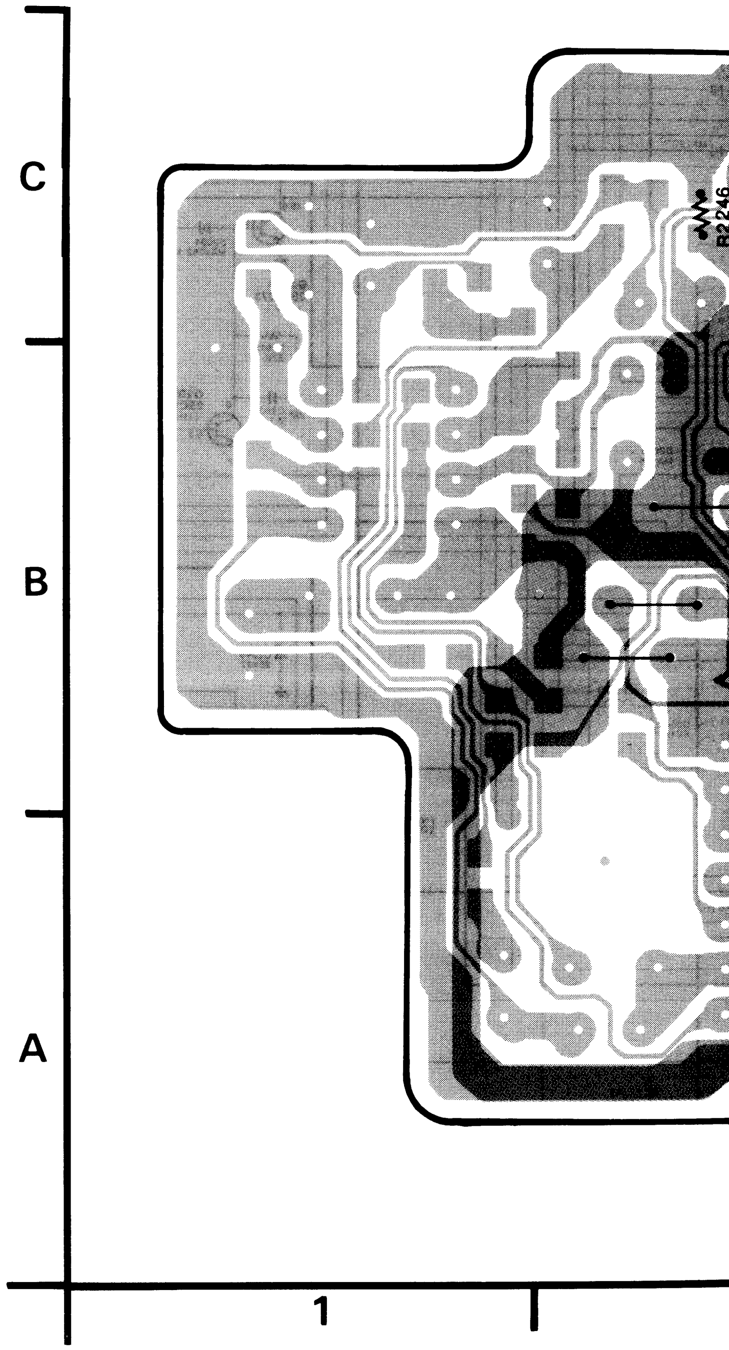
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE
WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE
WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

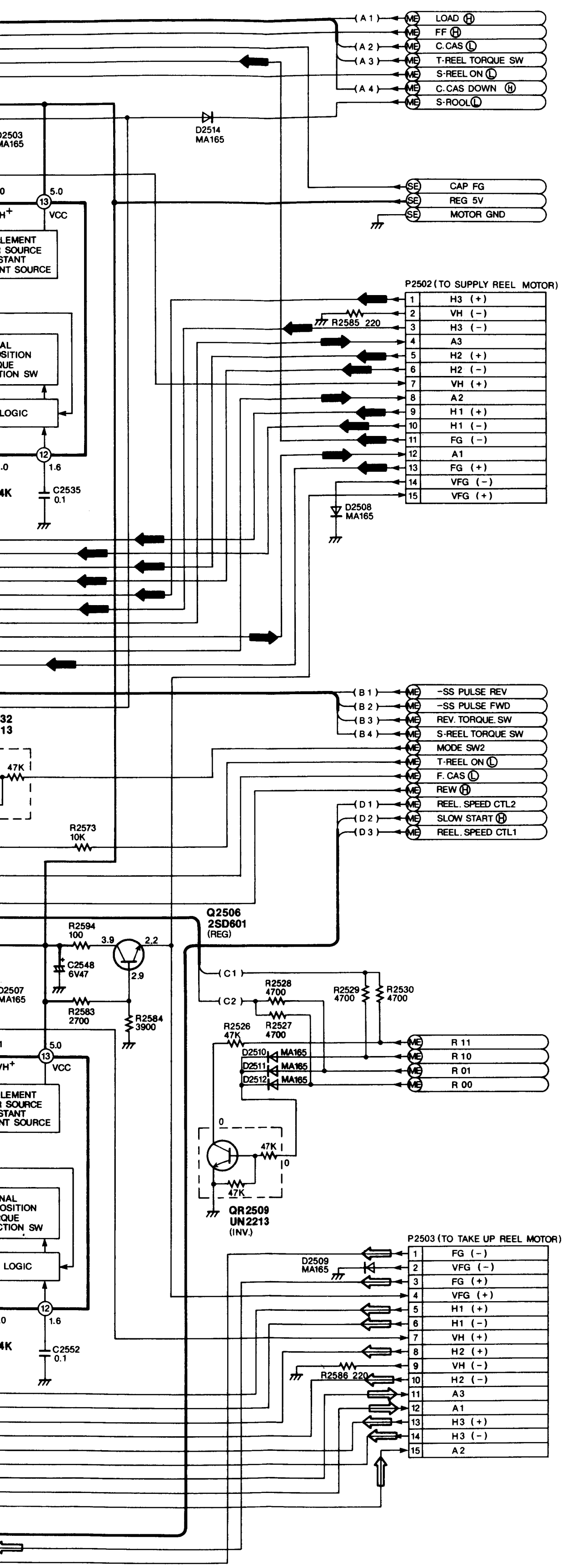
EEL DRIVE ⇦ TAKE UP REEL DRIVE

3-23. INDEX SEARCH C.B.A. (VEP023


QR2501 UN2212 (C.CAS DOWN Ⓗ:ON)
QR2523 UN2113 (C.CAS Ⓛ:ON)
QR2502 UN2213 (T-REEL TORQUE SW Ⓗ:ON)
Q2503 2SC2206 (C.CAS FF:ON)
QR2508 UN2213 (F.CAS Ⓗ:ON)
QR2511 UN2212 (LOAD Ⓗ:ON)
QR2503 UN2212 (EX.SSS:ON)
QR2504 UN2211 (S.REEL TORQUE SW Ⓗ:ON)
QR2505 UN2213 (REV TORQUE SW Ⓗ:ON)
QR2507 UN2213 (-SS PULSE FWD Ⓛ:ON)
QR2510 UN2213 (-SS PULSE REV Ⓗ:ON)
IC2501 AN3621NK
FG AMP
TAPE DIAMETER DET
SUPPLY REEL TORQUE CTL
TAPE DIAMETER TORQUE CTL
BACK TENSION DET
MODE SELECT
REF TORQUE GEN
TAKEUP REEL TORQUE CTL
SUPPLY REEL ROTATE SELECT
TAKEUP REEL ROTATE SELECT
TAKEUP REEL CURRENT DET
SUPPLY REEL SPEED CTL
CTL SELECT
TORQUE CTL
TAKEUP REEL SPEED CTL
SUPPLY REEL CURRENT DET
TBPM TV SBPM SV NTSC/PAL INJ VCC
IC2502 AN3834K
IC2503 AN3834K
UPPER DRIVE
LOWER DRIVE
DIFFERENTIAL AMP
TORQUE RIPPLE CANCELLER
HALL ELEMENT POWER SOURCE & CONSTANT CURRENT SOURCE
P.SIGNAL COMPOSITION & TORQUE DETECTION SW
1st AMP
LOGIC
VM A1 CS PCI GND DS PCV RCC ET ED VH⁺ VCC
A3 ATC A2 VS H3⁻ H3⁺ H2⁻ H2⁺ H1⁻ H1⁺
QR2519 UN2213 (REW Ⓗ:ON)
Q2505 2SB709 (REW:ON)
QR2506 UN2213 (FF Ⓗ:ON)
Q2502 2SB709 (FF:ON)
QR2532 UN1113 (INV.)
Q2506 2SD601 (REG)
QR2514 UN2213 (INV.)
QR2515 UN2213 (INV.)
Q2504 2SB709 (INV.)
QR2520 UN2213 (C.CAS Ⓗ:ON)
QR2516 UN2213 (REEL SPEED CTL2 Ⓗ:ON)
QR2513 UN2215 (REW Ⓗ:ON)
QR2512 UN2215 (FF Ⓗ:ON)
QR2527 UN2212 (C.CAS Ⓗ:ON)
QR2524 UN2112 (C.CAS Ⓛ:ON)
QR2525 UN2212 (F.CAS Ⓗ:ON)
QR2517 UN2213 (REEL SPEED CTL1 Ⓗ:ON)
QR2518 UN2212 (SLOW START Ⓗ:ON)
QR2509 UN2213 (INV.)
LOAD Ⓗ
FF Ⓗ
C.CAS Ⓛ
T-REEL TORQUE SW
S-REEL ON Ⓛ
C.CAS DOWN Ⓗ
S-ROOL Ⓛ
CAP FG
REG 5V
MOTOR GND
P2502 (TO SUPPLY REEL MOTOR)
-SS PULSE REV
-SS PULSE FWD
REV. TORQUE SW
S-REEL TORQUE SW
MODE SW2
T-REEL ON Ⓛ
F.CAS Ⓛ
REW Ⓗ
REEL SPEED CTL2
SLOW START Ⓗ
REEL SPEED CTL1
R 11
R 10
R 01
R 00
P2503 (TO TAKE UP REEL MOTOR)
9 10 11 12 13 14 15 16 17

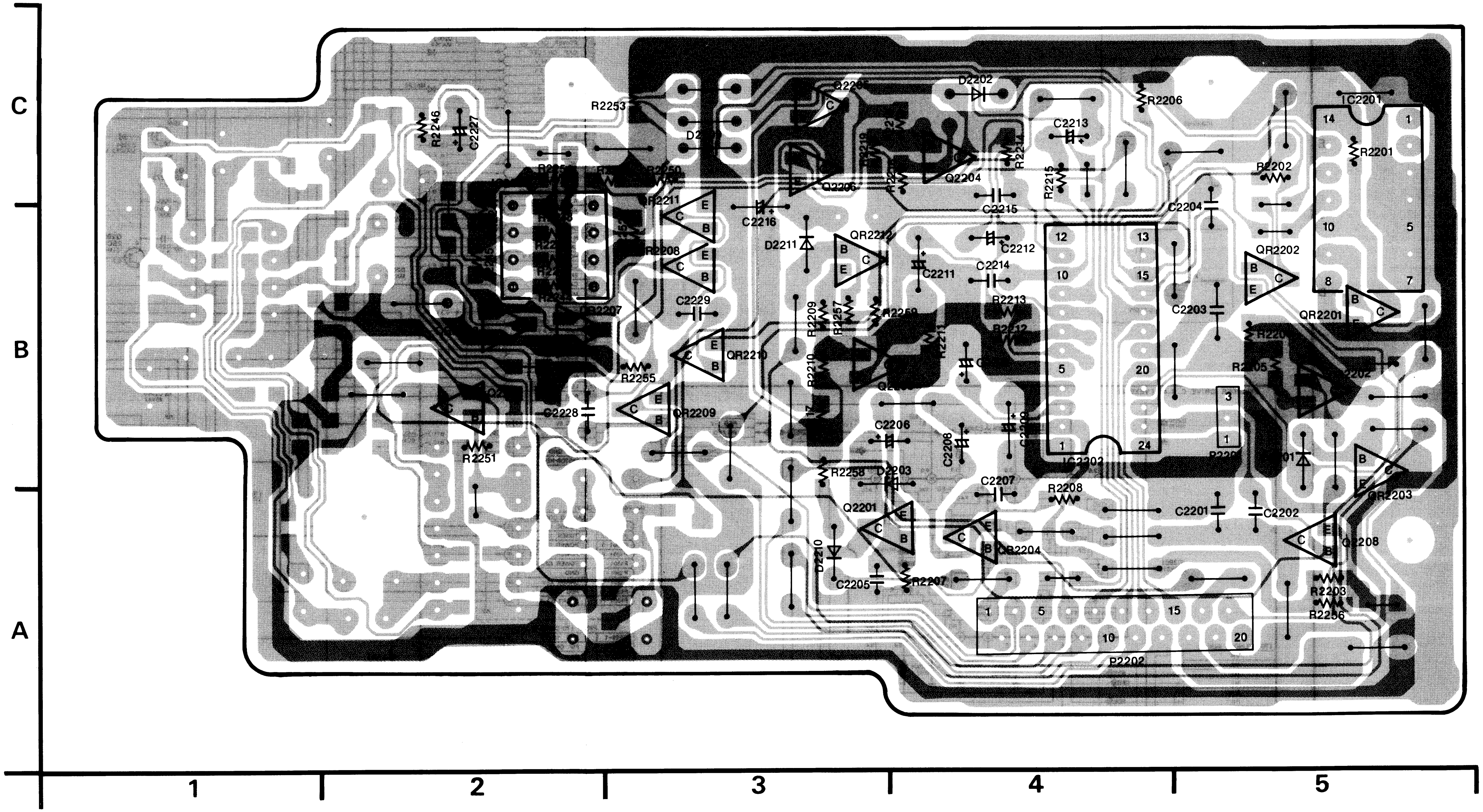
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.




LOAD H
FF H
C.CAS L
T-REEL TORQUE SW
S-REEL ON L
C.CAS DOWN H
S-ROOL L
D2514
MA165
CAP FG
REG 5V
MOTOR GND
P2502 (TO SUPPLY REEL MOTOR)
H3 (+)
VH (−)
H3 (−)
A3
H2 (+)
H2 (−)
VH (+)
A2
H1 (+)
H1 (−)
FG (−)
A1
FG (+)
VFG (−)
VFG (+)
R2585 220
D2508
MA165
C2535
0.1
−SS PULSE REV
−SS PULSE FWD
REV. TORQUE SW
S-REEL TORQUE SW
MODE SW2
T-REEL ON L
F. CAS L
REW H
REEL. SPEED CTL2
SLOW START H
REEL. SPEED CTL1
R2573
10K
R2594
100
Q2506
2SD601
(REG)
C2548
6V47
R2583
2700
R2584
3900
R2528
4700
R2529
4700
R2530
4700
R2526
47K
R2527
4700
D2510 MA165
D2511 MA165
D2512 MA165
R 11
R 10
R 01
R 00
QR2509
UN2213
(INV.)
47K
P2503 (TO TAKE UP REEL MOTOR)
D2509
MA165
FG (−)
VFG (−)
FG (+)
VFG (+)
H1 (+)
H1 (−)
VH (+)
H2 (+)
VH (−)
H2 (−)
A3
A1
H3 (+)
H3 (−)
A2
R2586 220
C2552
0.1
LOGIC
VCC
16
17

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

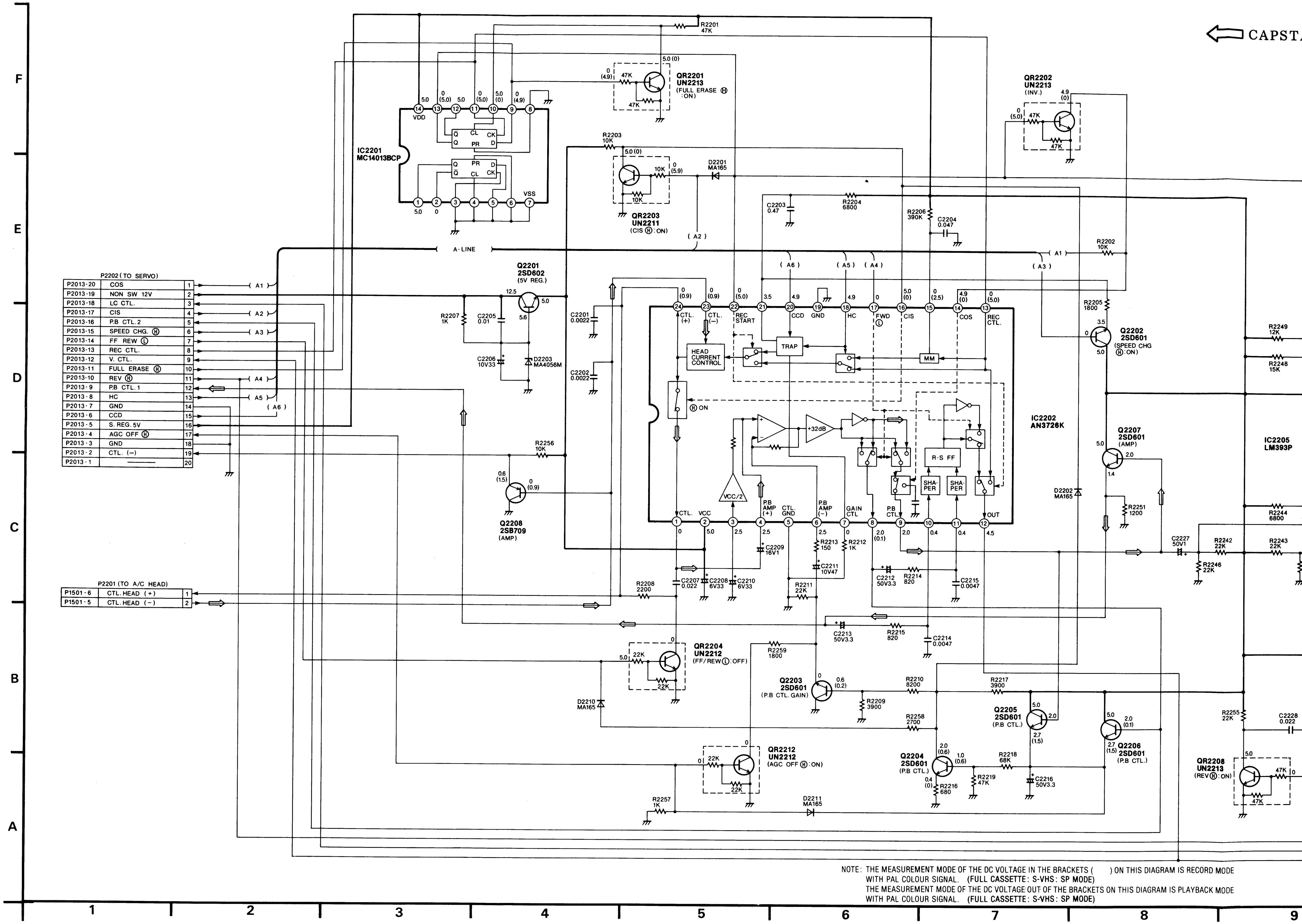
3-23. INDEX SEARCH C.B.A. (VEP02366B)


C
B
A
1
2
3
4
5
IC2201
IC2202
P2202
Q2201
Q2204
Q2205
Q2206
QR2201
QR2202
QR2203
QR2204
QR2208
QR2209
QR2211
D2202
D2203
D2210
D2211
R2201
R2202
R2203
R2205
R2206
R2207
R2208
R2209
R2210
R2213
R2215
R2246
R2251
R2253
R2255
R2256
R2257
R2258
R2259
C2201
C2202
C2203
C2204
C2205
C2206
C2207
C2208
C2211
C2212
C2213
C2214
C2215
C2216
C2227
C2228
C2229

3-24. INDEX SEARCH SCHEMATIC DIAGRAM

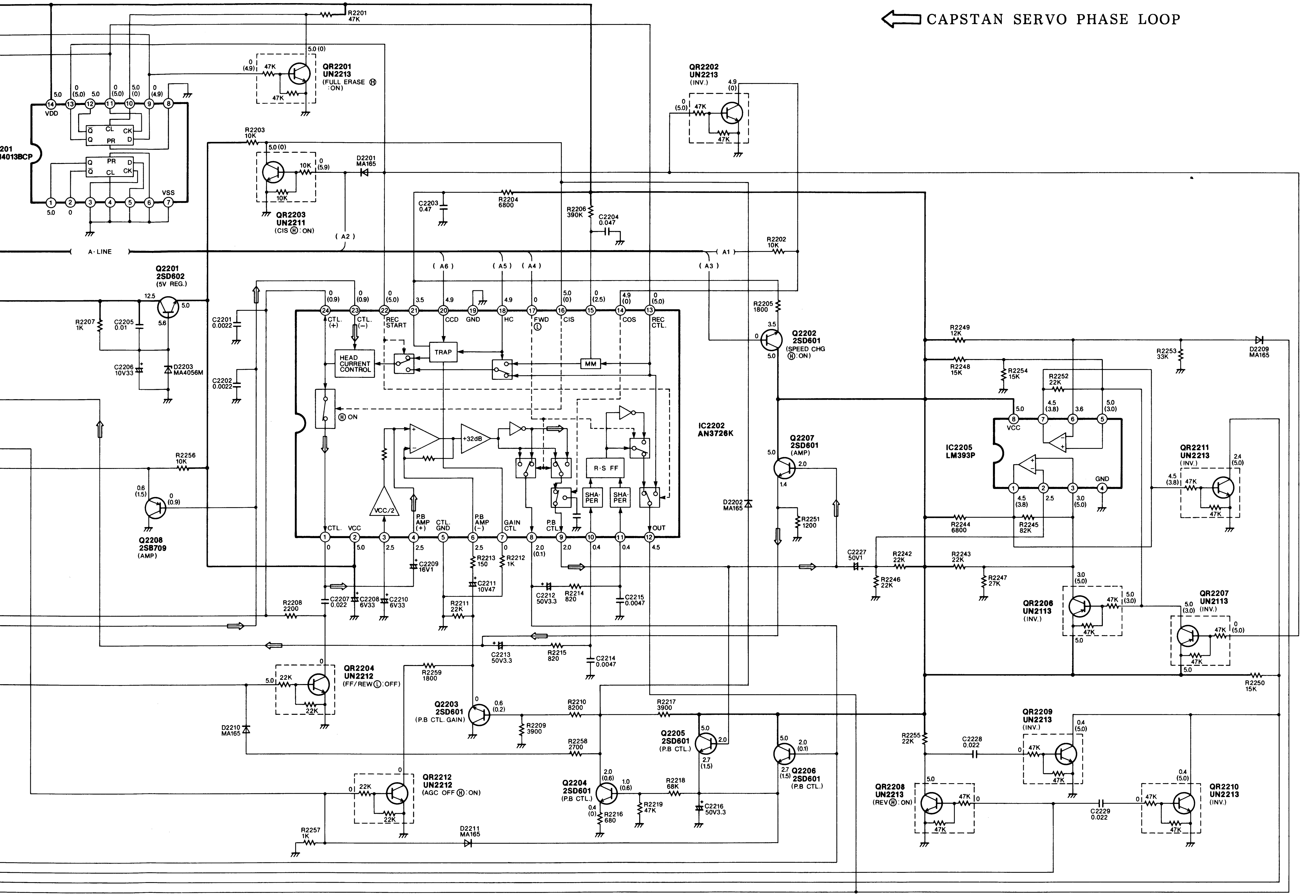
INDEX SEARCH C.B.A.	
Transistor	
Q2201	A-3
Q2202	B-5
Q2203	B-3
Q2204	C-4
Q2205	C-3
Q2206	C-3
Q2207	B-2
Q2208	A-5
Transistor & Resistor	
QR2201	B-5
QR2202	B-5
QR2203	A-5
QR2204	A-4
QR2206	B-2
QR2207	B-2
QR2208	B-3
QR2209	B-3
QR2210	B-3
QR2211	B-3
QR2212	B-3
Integrated Circuit	
IC2201	C-5
IC2202	B-4
IC2205	B-2
Connector	
P2201	B-5
P2202	A-4

ADDRESS INFORMATION


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
CAPSTA
IC2201
MC14013BCP
VDD
VSS
IC2202
AN3726K
IC2205
LM393P
P2202 (TO SERVO)
P2013·20 COS 1
P2013·19 NON SW 12V 2
P2013·18 LC CTL. 3
P2013·17 CIS 4
P2013·16 P.B CTL. 2 5
P2013·15 SPEED CHG. Ⓗ 6
P2013·14 FF REW Ⓛ 7
P2013·13 REC CTL. 8
P2013·12 V. CTL. 9
P2013·11 FULL ERASE Ⓗ 10
P2013·10 REV Ⓗ 11
P2013·9 P.B CTL. 1 12
P2013·8 HC 13
P2013·7 GND 14
P2013·6 CCD 15
P2013·5 S. REG. 5V 16
P2013·4 AGC OFF Ⓗ 17
P2013·3 GND 18
P2013·2 CTL. (−) 19
P2013·1 20
P2201 (TO A/C HEAD)
P1501·6 CTL. HEAD (+) 1
P1501·5 CTL. HEAD (−) 2
A·LINE
QR2201 UN2213 (FULL ERASE Ⓗ :ON)
QR2202 UN2213 (INV.)
QR2203 UN2211 (CIS Ⓗ :ON)
QR2204 UN2212 (FF/REW Ⓛ :OFF)
QR2212 UN2212 (AGC OFF Ⓗ :ON)
QR2208 UN2213 (REV Ⓗ :ON)
Q2201 2SD602 (5V REG.)
Q2202 2SD601 (SPEED CHG Ⓗ :ON)
Q2203 2SD601 (P.B CTL. GAIN)
Q2204 2SD601 (P.B CTL.)
Q2205 2SD601 (P.B CTL.)
Q2206 2SD601 (P.B CTL.)
Q2207 2SD601 (AMP)
Q2208 2SB709 (AMP)
D2201 MA165
D2202 MA165
D2203 MA4056M
D2210 MA165
D2211 MA165
HEAD CURRENT CONTROL
TRAP
MM
R·S FF
SHA·PER
VCC/2
+32dB
Ⓗ ON
CTL. (+)
CTL. (−)
REC START
CCD
GND
HC
FWD Ⓛ
CIS
COS
REC CTL.
CTL.
VCC
P.B AMP (+)
CTL. GND
P.B AMP (−)
GAIN CTL
P.B CTL.
OUT
R2201 47K
R2202 10K
R2203 10K
R2204 6800
R2205 1800
R2206 390K
R2207 1K
R2208 2200
R2209 3900
R2210 8200
R2211 22K
R2212 1K
R2213 150
R2214 820
R2215 820
R2216 680
R2217 3900
R2218 68K
R2219 47K
R2242 22K
R2243 22K
R2244 6800
R2246 22K
R2248 15K
R2249 12K
R2251 1200
R2255 22K
R2256 10K
R2257 1K
R2258 2700
R2259 1800
C2201 0.0022
C2202 0.0022
C2203 0.47
C2204 0.047
C2205 0.01
C2206 10V33
C2207 0.022
C2208 6V33
C2209 16V1
C2210 6V33
C2211 10V47
C2212 50V3.3
C2213 50V3.3
C2214 0.0047
C2215 0.0047
C2216 50V3.3
C2227 50V1
C2228 0.022

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)


CAPSTAN SERVO PHASE LOOP
201
4013BCP
VDD
VSS
A-LINE
(A1)
(A2)
(A3)
(A4)
(A5)
(A6)
QR2201
UN2213
(FULL ERASE Ⓗ :ON)
QR2202
UN2213
(INV.)
QR2203
UN2211
(CIS Ⓗ : ON)
QR2204
UN2212
(FF/REW Ⓛ : OFF)
QR2206
UN2113
(INV.)
QR2207
UN2113
(INV.)
QR2208
UN2213
(REV Ⓗ : ON)
QR2209
UN2213
(INV.)
QR2210
UN2213
(INV.)
QR2211
UN2213
(INV.)
QR2212
UN2212
(AGC OFF Ⓗ : ON)
Q2201
2SD602
(5V REG.)
Q2202
2SD601
(SPEED CHG Ⓗ : ON)
Q2203
2SD601
(P.B CTL. GAIN)
Q2204
2SD601
(P.B CTL.)
Q2205
2SD601
(P.B CTL.)
Q2206
2SD601
(P.B CTL.)
Q2207
2SD601
(AMP)
Q2208
2SB709
(AMP)
IC2202
AN3726K
IC2205
LM393P
CTL. (+)
CTL. (−)
REC START
CCD
GND
HC
FWD Ⓛ
CIS
COS
REC CTL.
HEAD CURRENT CONTROL
TRAP
MM
Ⓗ ON
+32dB
VCC/2
R·S FF
SHA-PER
P.B AMP (+)
CTL. GND
P.B AMP (−)
GAIN CTL
P.B CTL
OUT
VCC
R2201 47K
R2202 10K
R2203 10K
R2204 6800
R2205 1800
R2206 390K
R2207 1K
R2208 2200
R2209 3900
R2210 8200
R2211 22K
R2212 1K
R2213 150
R2214 820
R2215 820
R2216 680
R2217 3900
R2218 68K
R2219 47K
R2242 22K
R2243 22K
R2244 6800
R2245 82K
R2246 22K
R2247 27K
R2248 15K
R2249 12K
R2250 15K
R2251 1200
R2252 22K
R2253 33K
R2254 15K
R2255 22K
R2256 10K
R2257 1K
R2258 2700
R2259 1800
C2201 0.0022
C2202 0.0022
C2203 0.47
C2204 0.047
C2205 0.01
C2206 10V33
C2207 0.022
C2208 6V33
C2209 16V1
C2210 6V33
C2211 10V47
C2212 50V3.3
C2213 50V3.3
C2214 0.0047
C2215 0.0047
C2216 50V3.3
C2227 50V1
C2228 0.022
C2229 0.022
D2201 MA165
D2202 MA165
D2203 MA4056M
D2209 MA165
D2210 MA165
D2211 MA165
3
4
5
6
7
8
9
10
11

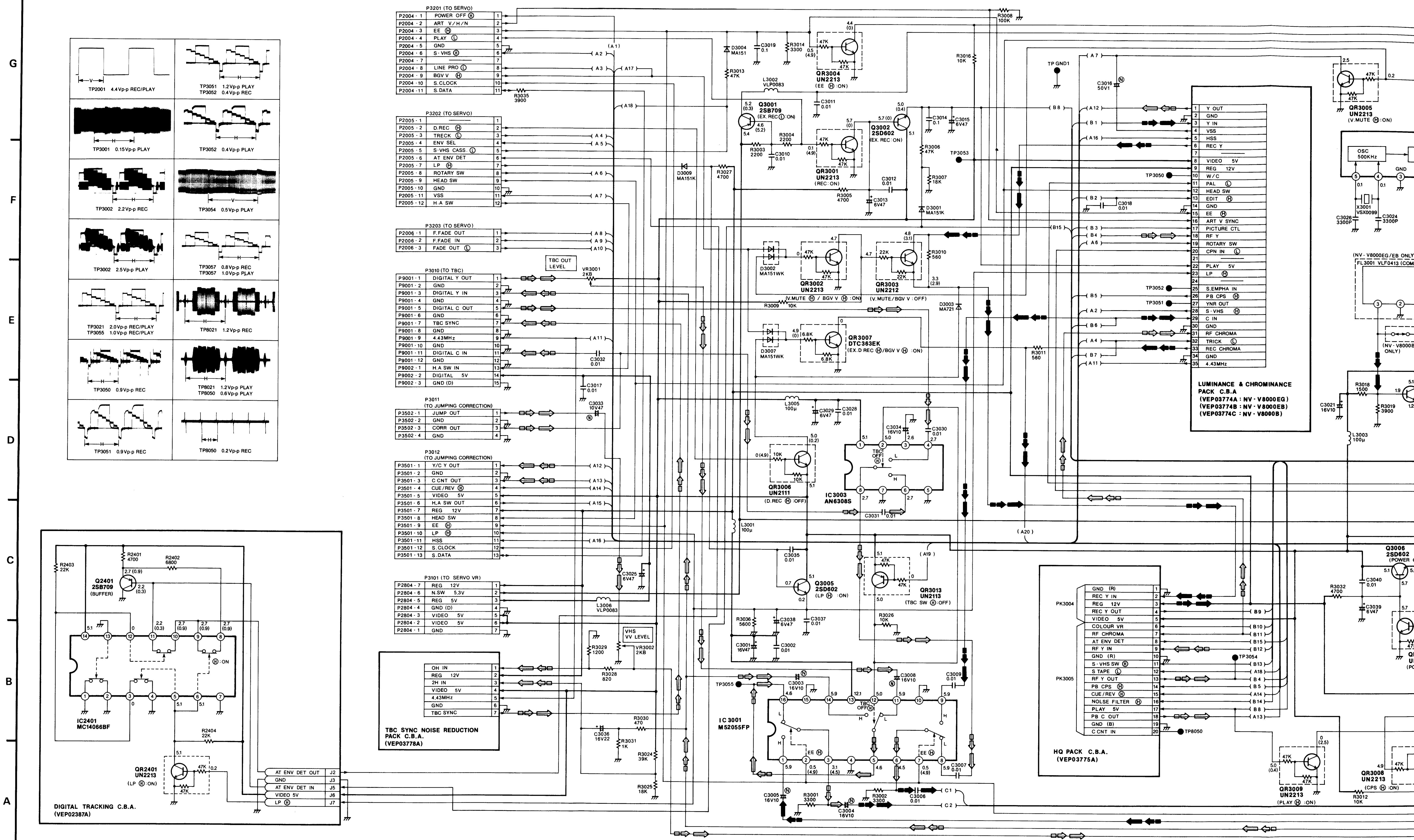
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Next Page:
LUMI. & CHRO. MAIN Section

3-25. LUMINANCE & CHROMINANCE MAIN SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE (VHS)
MAIN SIGNAL PATH IN REC MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBAC
MAIN SIGNAL PATH IN PLAYBAC

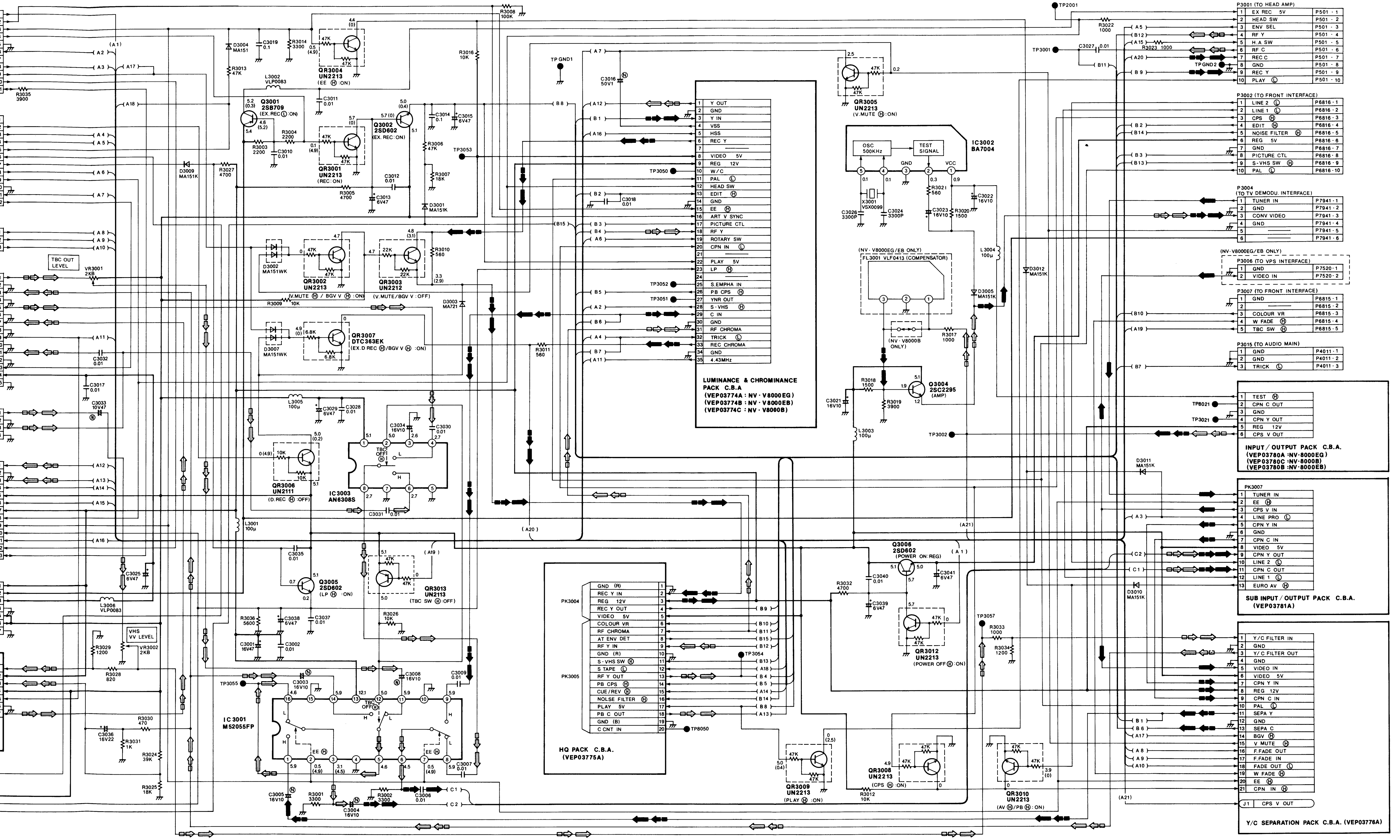

TP2001 4.4Vp-p REC/PLAY
TP3051 1.2Vp-p PLAY
TP3052 0.4Vp-p REC
TP3001 0.15Vp-p PLAY
TP3052 0.4Vp-p PLAY
TP3002 2.2Vp-p REC
TP3054 0.5Vp-p PLAY
TP3002 2.5Vp-p PLAY
TP3057 0.8Vp-p REC
TP3057 1.0Vp-p PLAY
TP3021 2.0Vp-p REC/PLAY
TP3055 1.0Vp-p REC/PLAY
TP8021 1.2Vp-p REC
TP3050 0.9Vp-p REC
TP8021 1.2Vp-p PLAY
TP8050 0.6Vp-p PLAY
TP3051 0.9Vp-p REC
TP8050 0.2Vp-p REC
P3201 (TO SERVO)
POWER OFF Ⓗ
ART V/H/N
EE Ⓗ
PLAY Ⓛ
GND
S-VHS Ⓗ
LINE PRO Ⓛ
BGV V Ⓗ
S.CLOCK
S.DATA
P3202 (TO SERVO)
D.REC Ⓗ
TRECK Ⓛ
ENV SEL
S-VHS CASS. Ⓛ
AT ENV DET
LP Ⓗ
ROTARY SW
HEAD SW
VSS
H.A SW
P3203 (TO SERVO)
F.FADE OUT
F.FADE IN
FADE OUT Ⓛ
P3010 (TO TBC)
DIGITAL Y OUT
DIGITAL Y IN
DIGITAL C OUT
TBC SYNC
4.43MHz
DIGITAL C IN
H.A SW IN
DIGITAL 5V
GND (D)
P3011 (TO JUMPING CORRECTION)
JUMP OUT
CORR OUT
P3012 (TO JUMPING CORRECTION)
Y/C Y OUT
C.CNT OUT
CUE/REV Ⓗ
VIDEO 5V
H.A SW OUT
REG 12V
HEAD SW
EE Ⓗ
LP Ⓗ
HSS
S.CLOCK
S.DATA
P3101 (TO SERVO VR)
REG 12V
N.SW 5.3V
REG 5V
GND (D)
VIDEO 5V
TBC OUT LEVEL
VR3001 2KB
VHS VV LEVEL
VR3002 2KB
TBC SYNC NOISE REDUCTION PACK C.B.A. (VEP03778A)
OH IN
2H IN
TBC SYNC
DIGITAL TRACKING C.B.A. (VEP02387A)
Q2401 2SB709 (BUFFER)
IC2401 MC14066BF
QR2401 UN2213 (LP Ⓗ:ON)
AT ENV DET OUT
AT ENV DET IN
VIDEO 5V
LP Ⓗ
Q3001 2SB709 (EX. REC Ⓛ:ON)
QR3004 UN2213 (EE Ⓗ:ON)
Q3002 2SD602 (EX. REC:ON)
QR3001 UN2213 (REC:ON)
QR3002 UN2213
QR3003 UN2212
(V.MUTE Ⓗ / BGV V Ⓗ:ON)
(V.MUTE/BGV V:OFF)
QR3007 DTC363EK (EX.D REC Ⓗ/BGV V Ⓗ:ON)
QR3006 UN2111 (D.REC Ⓗ:OFF)
IC3003 AN6308S
Q3005 2SD602 (LP Ⓗ:ON)
QR3013 UN2113 (TBC SW Ⓗ:OFF)
IC3001 M52055FP
TP3050
TP3051
TP3052
TP3053
TP3054
TP3055
TP GND1
TP8050
LUMINANCE & CHROMINANCE PACK C.B.A
(VEP03774A : NV-V8000EG)
(VEP03774B : NV-V8000EB)
(VEP03774C : NV-V8000B)
Y OUT
Y IN
VSS
HSS
REC Y
VIDEO 5V
REG 12V
W/C
PAL Ⓛ
HEAD SW
EDIT Ⓗ
EE Ⓗ
ART V SYNC
PICTURE CTL
RF Y
ROTARY SW
CPN IN Ⓛ
PLAY 5V
LP Ⓗ
S.EMPHA IN
PB CPS Ⓗ
YNR OUT
S-VHS Ⓗ
C IN
RF CHROMA
TRICK Ⓛ
REC CHROMA
4.43MHz
HQ PACK C.B.A. (VEP03775A)
PK3004
PK3005
GND (R)
REC Y IN
REC Y OUT
COLOUR VR
RF CHROMA
AT ENV DET
RF Y IN
S-VHS SW Ⓗ
S TAPE Ⓛ
RF Y OUT
PB CPS Ⓗ
CUE/REV Ⓗ
NOLSE FILTER Ⓗ
PLAY 5V
PB C OUT
GND (B)
C CNT IN
QR3005 UN2213 (V.MUTE Ⓗ:ON)
OSC 500KHz
X3001 VSX0099
(NV-V8000EG/EB ONLY)
FL3001 VLF0413
Q3006 2SD602 (POWER
QR3009 UN2213 (PLAY Ⓗ:ON)
QR3008 UN2213 (CPS Ⓗ:ON)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON T WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

ATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE (VHS)
MAIN SIGNAL PATH IN REC MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)



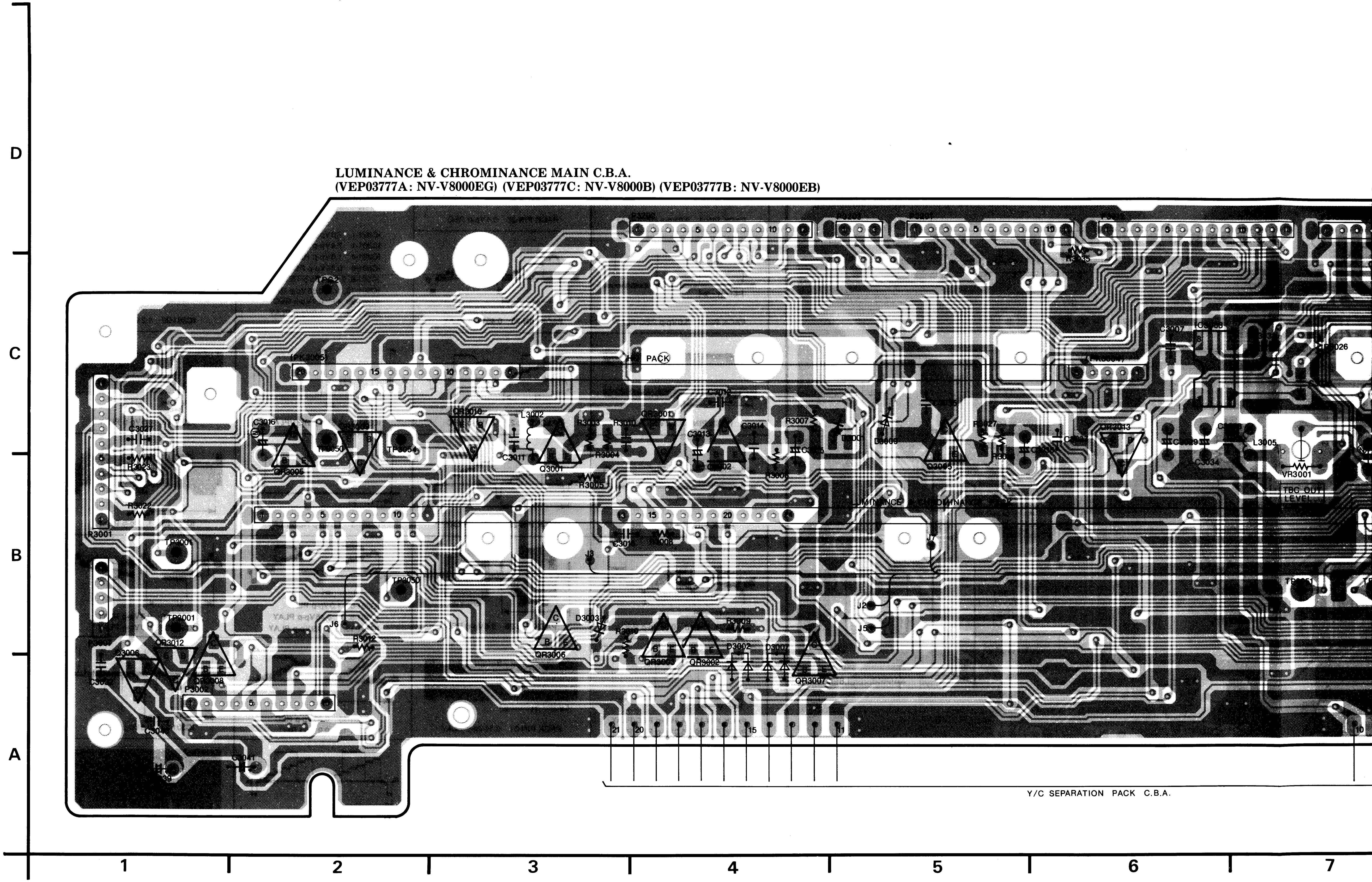
LUMINANCE & CHROMINANCE PACK C.B.A
(VEP03774A : NV-V8000EG)
(VEP03774B : NV-V8000EB)
(VEP03774C : NV-V8000B)
HQ PACK C.B.A.
(VEP03775A)
INPUT/OUTPUT PACK C.B.A.
(VEP03780A :NV-8000EG)
(VEP03780C :NV-8000B)
(VEP03780B :NV-8000EB)
SUB INPUT/OUTPUT PACK C.B.A.
(VEP03781A)
Y/C SEPARATION PACK C.B.A. (VEP03776A)
P3001 (TO HEAD AMP)
P3002 (TO FRONT INTERFACE)
P3004 (TO TV DEMODU. INTERFACE)
(NV-V8000EG/EB ONLY)
P3006 (TO VPS INTERFACE)
P3007 (TO FRONT INTERFACE)
P3015 (TO AUDIO MAIN)
PK3007
PK3004
PK3005
IC3001 M52055FP
IC3002 BA7004
IC3003 AN6308S
(NV-V8000EG/EB ONLY)
FL3001 VLF0413 (COMPENSATOR)
(NV-V8000B ONLY)
Q3001 2SB709 (EX.REC H:ON)
Q3002 2SD602 (EX.REC:ON)
Q3004 2SC2295 (AMP)
Q3005 2SD602 (LP H:ON)
Q3006 2SD602 (POWER ON:REG)
QR3001 UN2213 (REC:ON)
QR3002 UN2213
QR3003 UN2212 (V.MUTE/BGV V:OFF)
QR3004 UN2213 (EE H:ON)
QR3005 UN2213 (V.MUTE H:ON)
QR3006 UN2111 (D.REC H:OFF)
QR3007 DTC363EK (EX.D REC H/BGV V H:ON)
QR3008 UN2213 (CPS H:ON)
QR3009 UN2213 (PLAY H:ON)
QR3010 UN2213 (AV H/PB H:ON)
QR3012 UN2213 (POWER OFF H:ON)
QR3013 UN2113 (TBC SW H:OFF)
TBC OUT LEVEL
VHS VV LEVEL
5
6
7
8
9
10
11
12
13
14
15

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-26. LUMINANCE & CHROMINANCE MAIN C.B.A. (VEP03777A: NV-V8000EG) (VEP03777C: NV-V8000B) (VEP03777B: NV-V8000EB)


LUMINANCE & CHROMINANCE MAIN C.B.A.
(VEP03777A: NV-V8000EG) (VEP03777C: NV-V8000B) (VEP03777B: NV-V8000EB)
D
C
B
A
1
2
3
4
5
6
7
PACK
C3016
QR3005
TP3050
TP3054
QR3010
L3002
C3011
Q3001
R3003
R3004
R3005
QR3001
C3013
Q3002
R3007
R3006
D3001
D3006
Q3005
R3027
QR3013
C3007
L3005
VR3001
TBC OUT LEVEL
C3021
R3023
R3022
R3001
TP3001
TP3050
TP3051
J3
J6
J7
J2
J5
R3012
D3003
QR3006
QR3002
QR3003
QR3007
R3009
D3002
D3007
QR3012
QR3008
C3041
Y/C SEPARATION PACK C.B.A.
21
20
15
11
5
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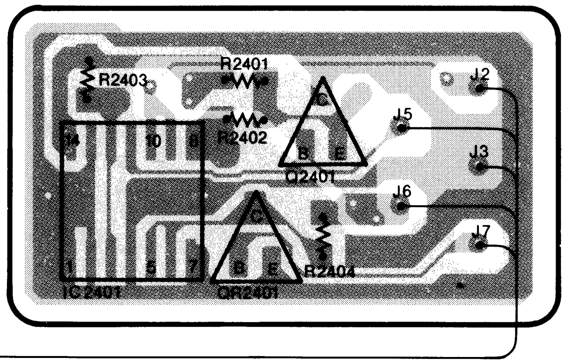
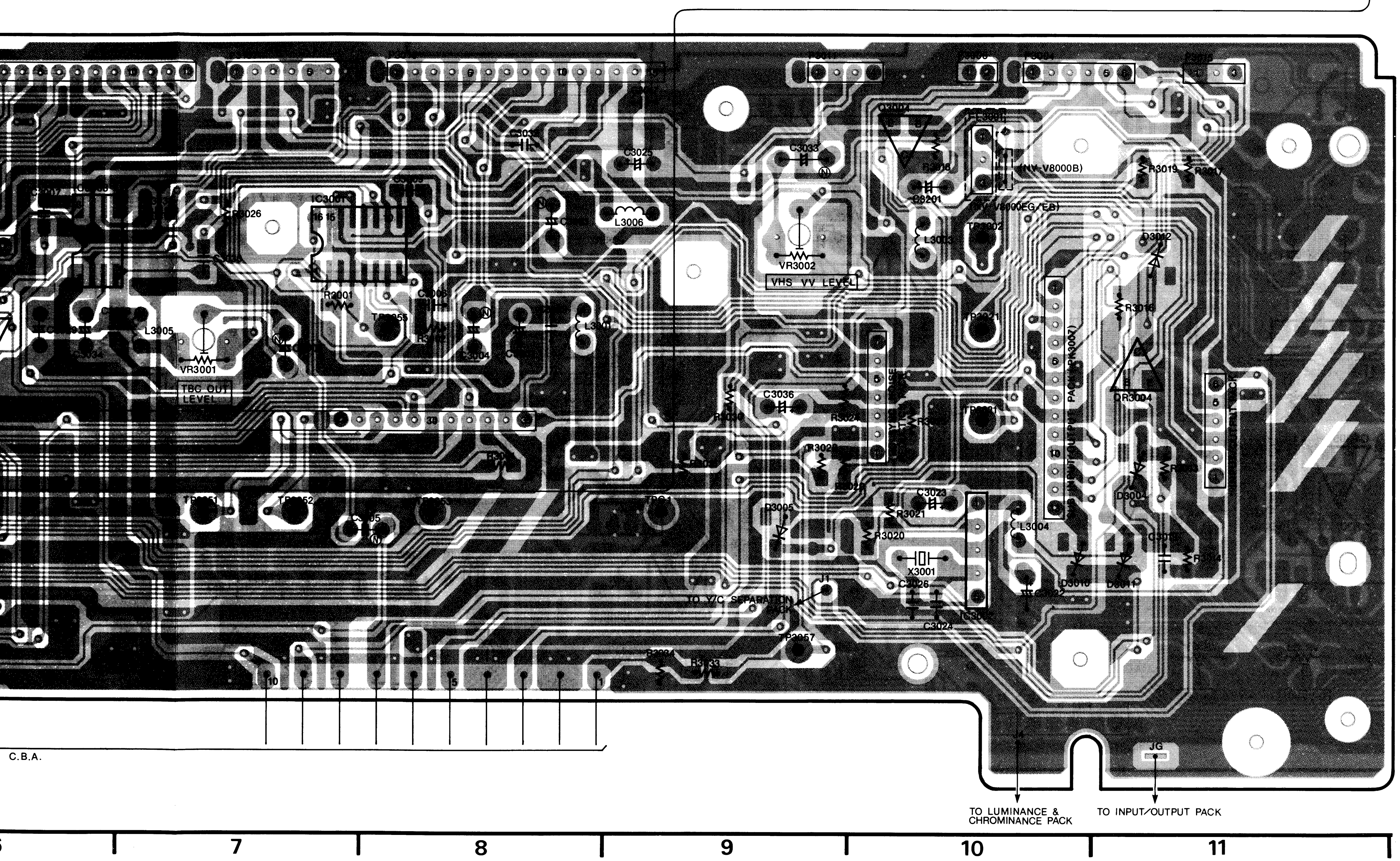
15

000EB)

DIGITAL TRACKING C.B.A.
(VEP02387A)


R2403
R2401
R2402
J2
J5
J3
J6
J7
Q2401
IC2401
QR2401
R2404
14
10
8
1
5
7
B
E
C


IC3001
R3026
R3001
C3006
TP3055
L3005
VR3001
TBC OUT LEVEL
C3025
L3006
C3033
VR3002
VHS VV LEVEL
Q3004
R3006
B6201
L3003
TP3002
(NV-V8000B)
(NV-V8000EG/EB)
R3019
D3012
R3016
QR3004
D3003
TP3021
C3036
R3024
R3028
TPG1
D3005
C3023
R3021
R3020
X3001
C3026
C3024
L3004
D3010
D3011
C3022
J1
TO Y/C SEPARATION PACK
TP3057
R3034
R3033
TP3051
TP3052
TP3053
C3005
10
5
1
JG
C.B.A.
TO LUMINANCE & CHROMINANCE PACK
TO INPUT/OUTPUT PACK
7
8
9
10
11

LUMINANCE & CHROMINANCE MAIN C.B.A.	
Transistor	
Q2401	D-11
Q3001	B-3
Q3002	B-4
Q3004	C-10
Q3005	B 5
Q3006	A-1
Transistor & Resistor	
QR2401	D-11
QR3001	C-4
QR3002	B-4
QR3003	B-4
QR3004	B-11
QR3005	B-2
QR3006	B-3
QR3007	A-4
QR3008	A-1
QR3009	C-2
QR3010	C-3
QR3012	B-1
QR3013	C-6
Integrated Circuit	
IC3001	C-7
IC3002	B-10
IC3003	C-6
Test Point	
TP2001	B-1
TP3001	B-1
TP3002	C-10
TP3021	C-10
TP3050	B-2
TP3051	B-7
TP3052	B-7
TP3053	B-8
TP3054	C-2
TP3055	C-8
TP3057	A-9
TP8021	B-10
TP8050	C-2
TPG1	B-9
TPG2	C-2
Adjustment	
VR3001	B-7
VR3002	C-9
Connector	
P3001	B-1
P3002	A-1
P3004	D-10
P3006	D-10
P3007	B-1
P3010	D-8
P3011	D-9
P3012	D-6
P3015	D-11
P3101	D-7
P3201	D-5
P3202	D-4
P3203	D-5
PK3004	C-6
PK3005	C-2
PK3007	B-10

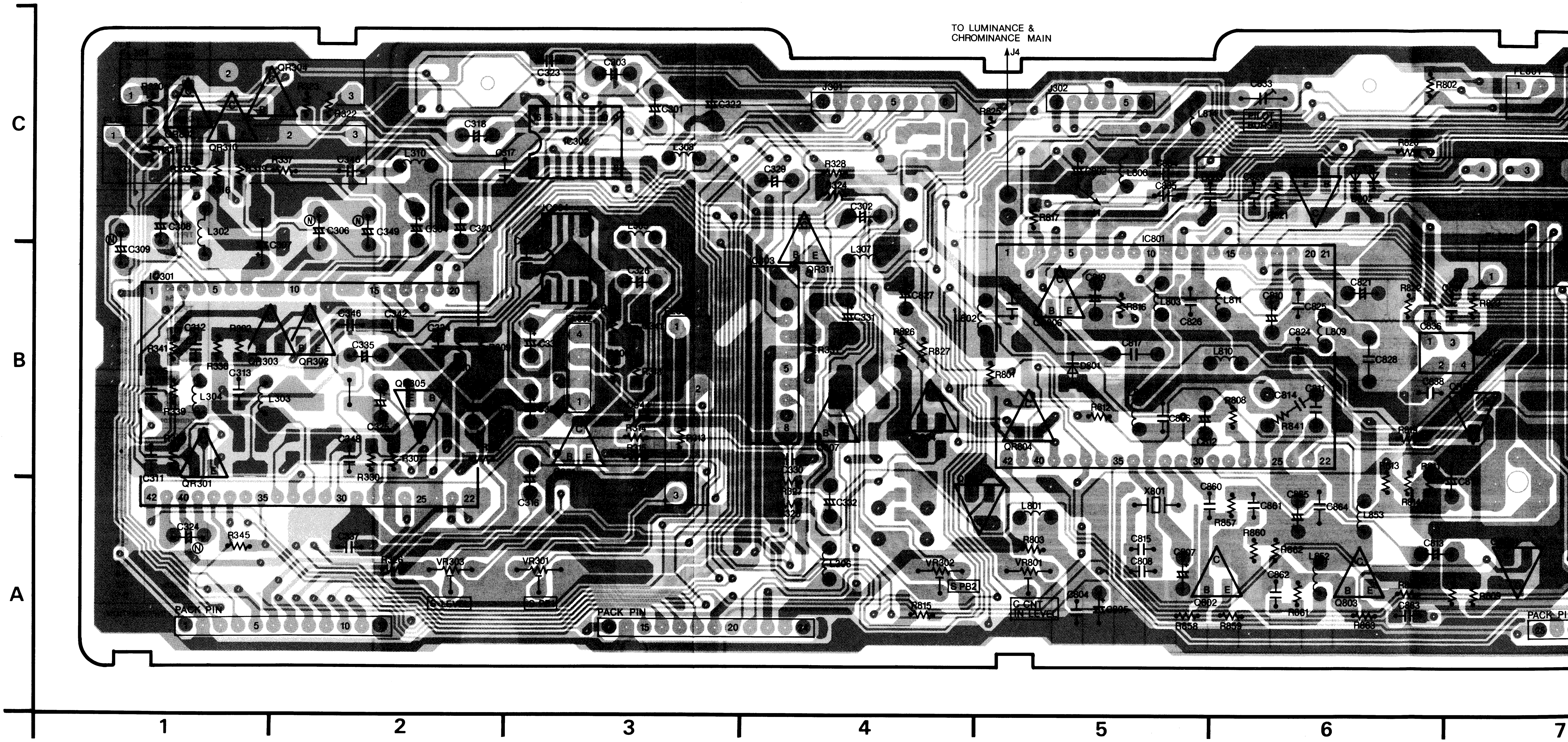
ADDRESS INFORMATION

3-27. LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03774A: NV-V8000EG) (VEP03774B: NV-V8000EB) (VEP03774C: NV-V8000B)

Transistor
Q301
Q307
Q801
Q802
Q803
Q804

Transistor & Resis
QR301
QR302
QR303
QR304
QR305
QR310

ADDRESS INFORMA

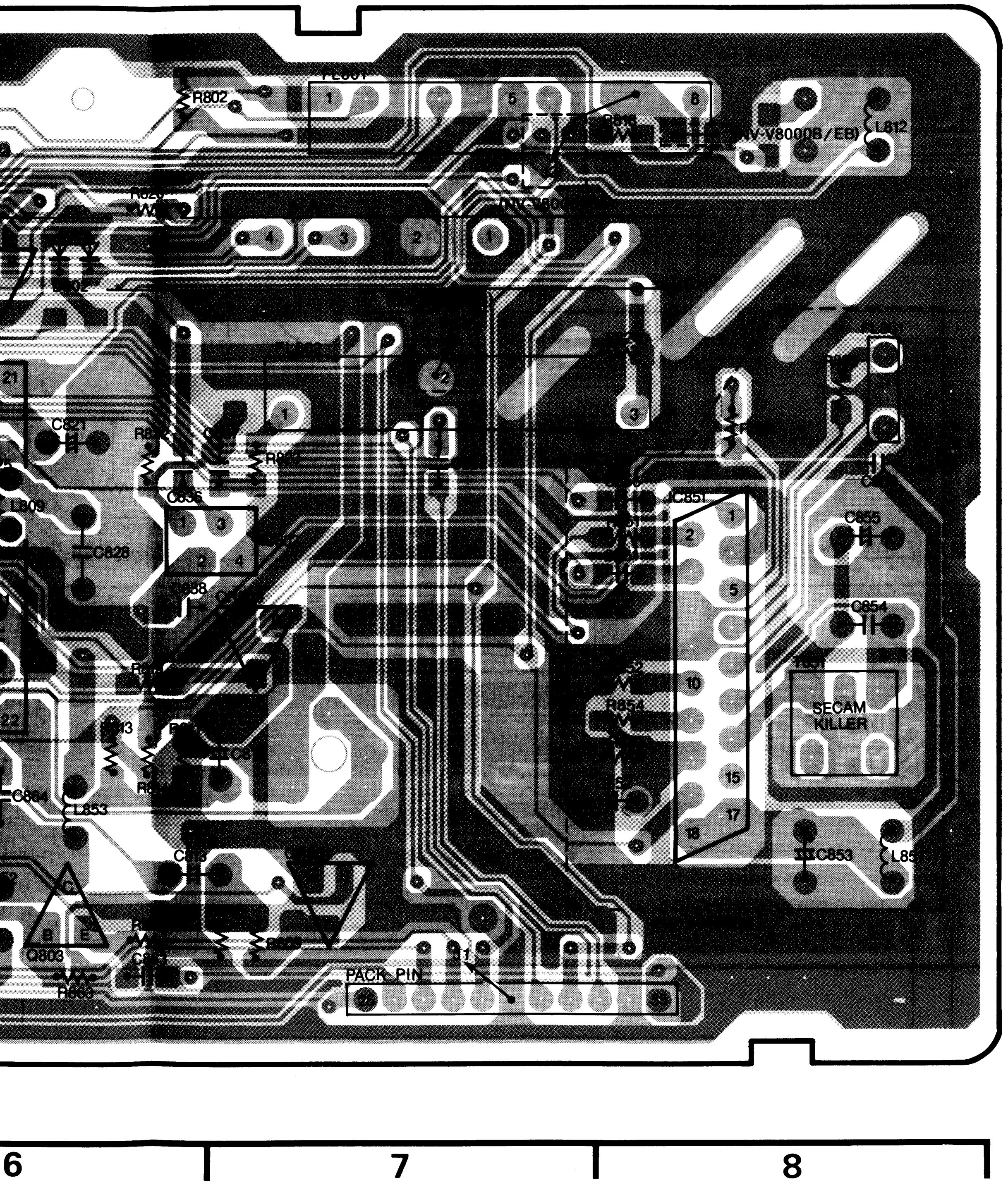


TO LUMINANCE & CHROMINANCE MAIN
J4
C
B
A
1
2
3
4
5
6
7
IC301
IC302
IC801
QR301
QR303
QR302
QR304
QR310
QR305
QR311
QR804
Q802
Q803
J301
J302
PL301
PL801
X801
D801
VR303
VR301
VR302
VR801
Y LEVEL
C GAIN
S PB2
C CNT IN LEVEL
PACK PIN
L301
L302
L303
L304
L306
L307
L310
L801
L802
L803
L806
L809
L810
L811
L853
L852
C301
C302
C303
C306
C307
C309
C311
C312
C313
C316
C317
C318
C320
C323
C324
C329
C331
C332
C335
C342
C346
C348
C349
C806
C807
C808
C812
C814
C815
C817
C821
C824
C825
C826
C828
C833
C836
C838
C860
C861
C862
C864
C865
C883
R302
R309
R322
R323
R324
R328
R330
R336
R337
R339
R341
R345
R346
R802
R803
R807
R808
R812
R815
R816
R817
R825
R826
R827
R828
R841
R857
R858
R859
R860
R861
R862
R866
R869

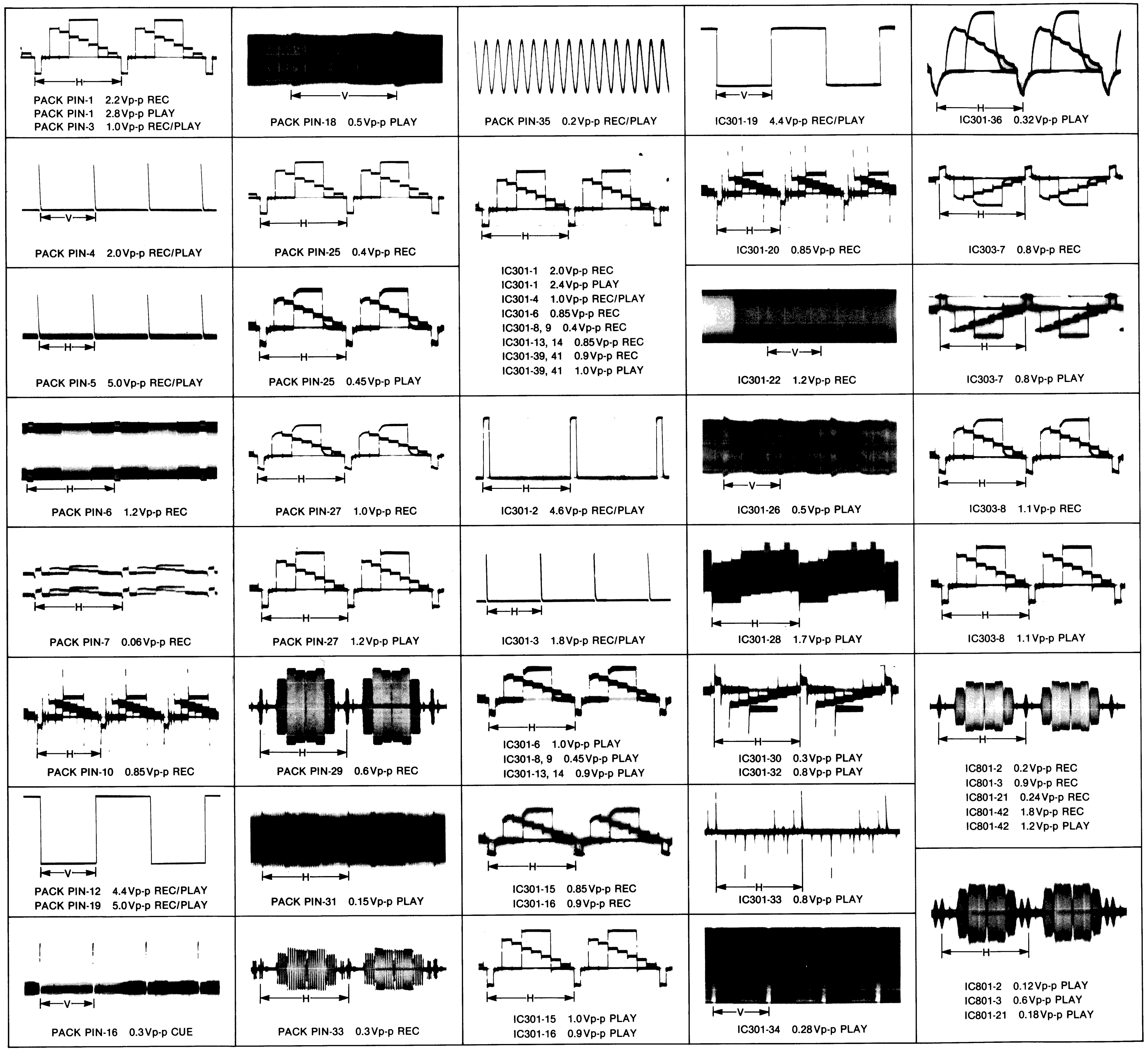
Back Page:
LUMI. & CHRO. MAIN Section

LUMINANCE & CHROMINANCE PACK C.B.A.					
Transistor		QR311	B-4	**Adjustment**	
Q301	B-3	QR801	A-7	VR301	A-3
Q307	B-4	QR802	C-1	VR302	A-4
Q801	A-4	QR803	B-7	VR303	A-2
Q802	A-6	QR804	B-5	VR801	A-5
Q803	A-6	QR805	C-6	C833	C-6
Q804	B-4	QR806	B-5	T851	B-8
Transistor & Resistor		**Integrated Circuit**		**Connector**	
QR301	B-1	IC301	B-1	J301	C-4
QR302	B-2	IC302	C-3	J302	C-5
QR303	B-1	IC303	B-4		
QR304	C-2	IC304	C-3		
QR305	B-2	IC801	B-5		
QR310	C-1	IC802	B-7		
		IC851	B-8		

ADDRESS INFORMATION



WAVEFORM OF LUMINANCE & CHROMINANCE PACK



PACK PIN-1 2.2Vp-p REC
PACK PIN-1 2.8Vp-p PLAY
PACK PIN-3 1.0Vp-p REC/PLAY

PACK PIN-4 2.0Vp-p REC/PLAY

PACK PIN-5 5.0Vp-p REC/PLAY

PACK PIN-6 1.2Vp-p REC

PACK PIN-7 0.06Vp-p REC

PACK PIN-10 0.85Vp-p REC

PACK PIN-12 4.4Vp-p REC/PLAY
PACK PIN-19 5.0Vp-p REC/PLAY

PACK PIN-16 0.3Vp-p CUE

PACK PIN-18 0.5Vp-p PLAY

PACK PIN-25 0.4Vp-p REC

PACK PIN-25 0.45Vp-p PLAY

PACK PIN-27 1.0Vp-p REC

PACK PIN-27 1.2Vp-p PLAY

PACK PIN-29 0.6Vp-p REC

PACK PIN-31 0.15Vp-p PLAY

PACK PIN-33 0.3Vp-p REC

PACK PIN-35 0.2Vp-p REC/PLAY

IC301-1 2.0Vp-p REC
IC301-1 2.4Vp-p PLAY
IC301-4 1.0Vp-p REC/PLAY
IC301-6 0.85Vp-p REC
IC301-8, 9 0.4Vp-p REC
IC301-13, 14 0.85Vp-p REC
IC301-39, 41 0.9Vp-p REC
IC301-39, 41 1.0Vp-p PLAY

IC301-2 4.6Vp-p REC/PLAY

IC301-3 1.8Vp-p REC/PLAY

IC301-6 1.0Vp-p PLAY
IC301-8, 9 0.45Vp-p PLAY
IC301-13, 14 0.9Vp-p PLAY

IC301-15 0.85Vp-p REC
IC301-16 0.9Vp-p REC

IC301-15 1.0Vp-p PLAY
IC301-16 0.9Vp-p PLAY

IC301-19 4.4Vp-p REC/PLAY

IC301-20 0.85Vp-p REC

IC301-22 1.2Vp-p REC

IC301-26 0.5Vp-p PLAY

IC301-28 1.7Vp-p PLAY

IC301-30 0.3Vp-p PLAY
IC301-32 0.8Vp-p PLAY

IC301-33 0.8Vp-p PLAY

IC301-34 0.28Vp-p PLAY

IC301-36 0.32Vp-p PLAY

IC303-7 0.8Vp-p REC

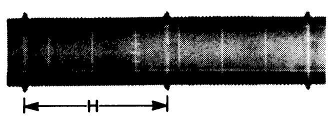
IC303-7 0.8Vp-p PLAY

IC303-8 1.1Vp-p REC

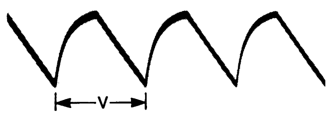
IC303-8 1.1Vp-p PLAY

IC801-2 0.2Vp-p REC
IC801-3 0.9Vp-p REC
IC801-21 0.24Vp-p REC
IC801-42 1.8Vp-p REC
IC801-42 1.2Vp-p PLAY

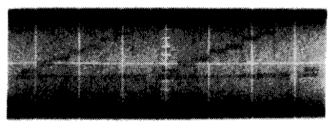
IC801-2 0.12Vp-p PLAY
IC801-3 0.6Vp-p PLAY
IC801-21 0.18Vp-p PLAY



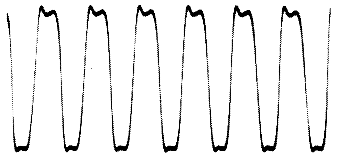
IC801-5 0.2Vp-p REC/PLAY



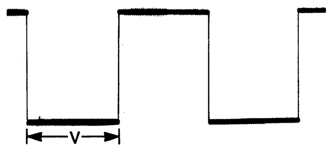
IC801-18 0.18Vp-p REC/PLAY



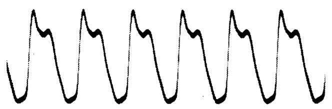
IC801-7 0.13Vp-p REC



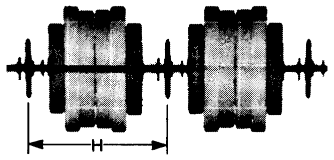
IC801-31 0.68Vp-p REC/PLAY



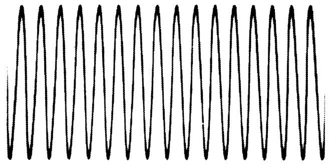
IC801-8 5.0Vp-p REC/PLAY



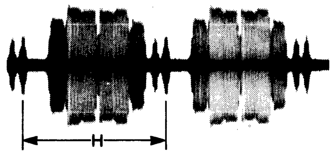
IC801-32 1.1Vp-p REC/PLAY



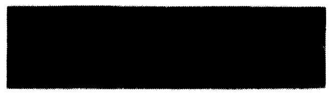
IC801-9, 10, 12 0.6Vp-p REC



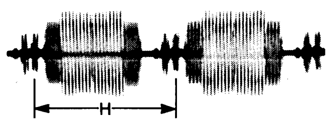
IC801-34 0.7Vp-p REC/PLAY



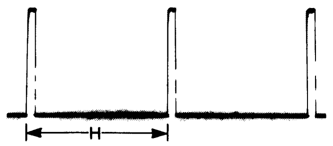
IC801-9 0.6Vp-p PLAY
IC801-10 0.3Vp-p PLAY



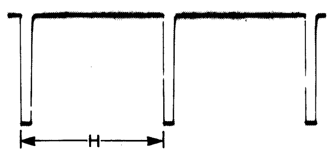
IC801-36 0.22Vp-p REC/PLAY



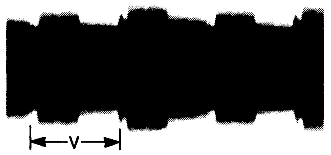
IC801-13, 15 0.4Vp-p REC
IC801-13, 15 0.15Vp-p PLAY
IC801-16 0.22Vp-p REC
IC801-16 0.1Vp-p PLAY
IC801-17 0.3Vp-p REC
IC801-19 0.45Vp-p REC
IC801-19 0.18Vp-p PLAY



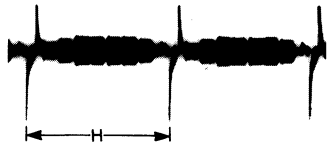
IC801-38, 39 5.0Vp-p REC/PLAY



IC801-40 5.0Vp-p REC/PLAY



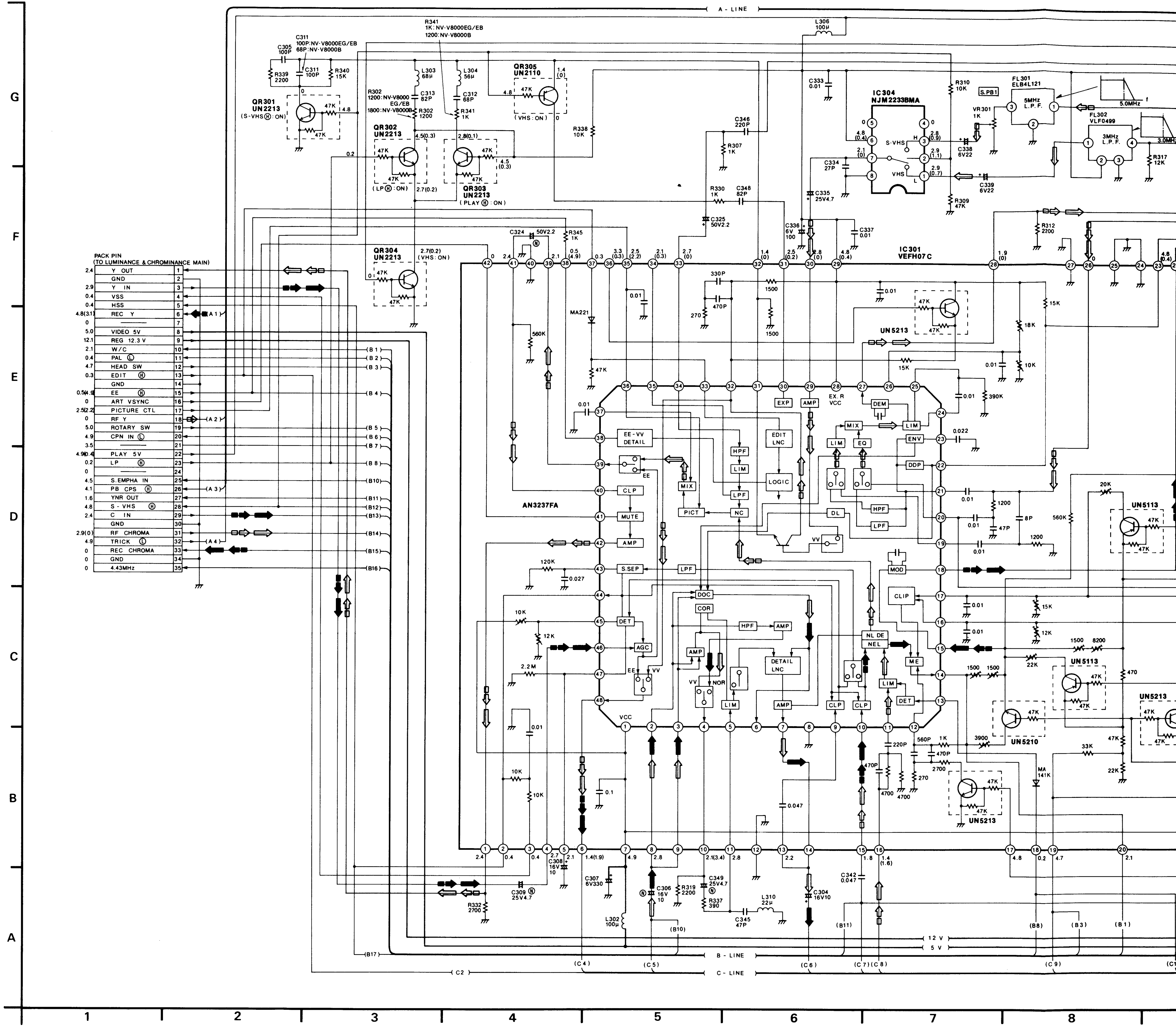
IC801-14 0.15Vp-p PLAY



IC801-41 1.8Vp-p PLAY

3-28. LUMINANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC M

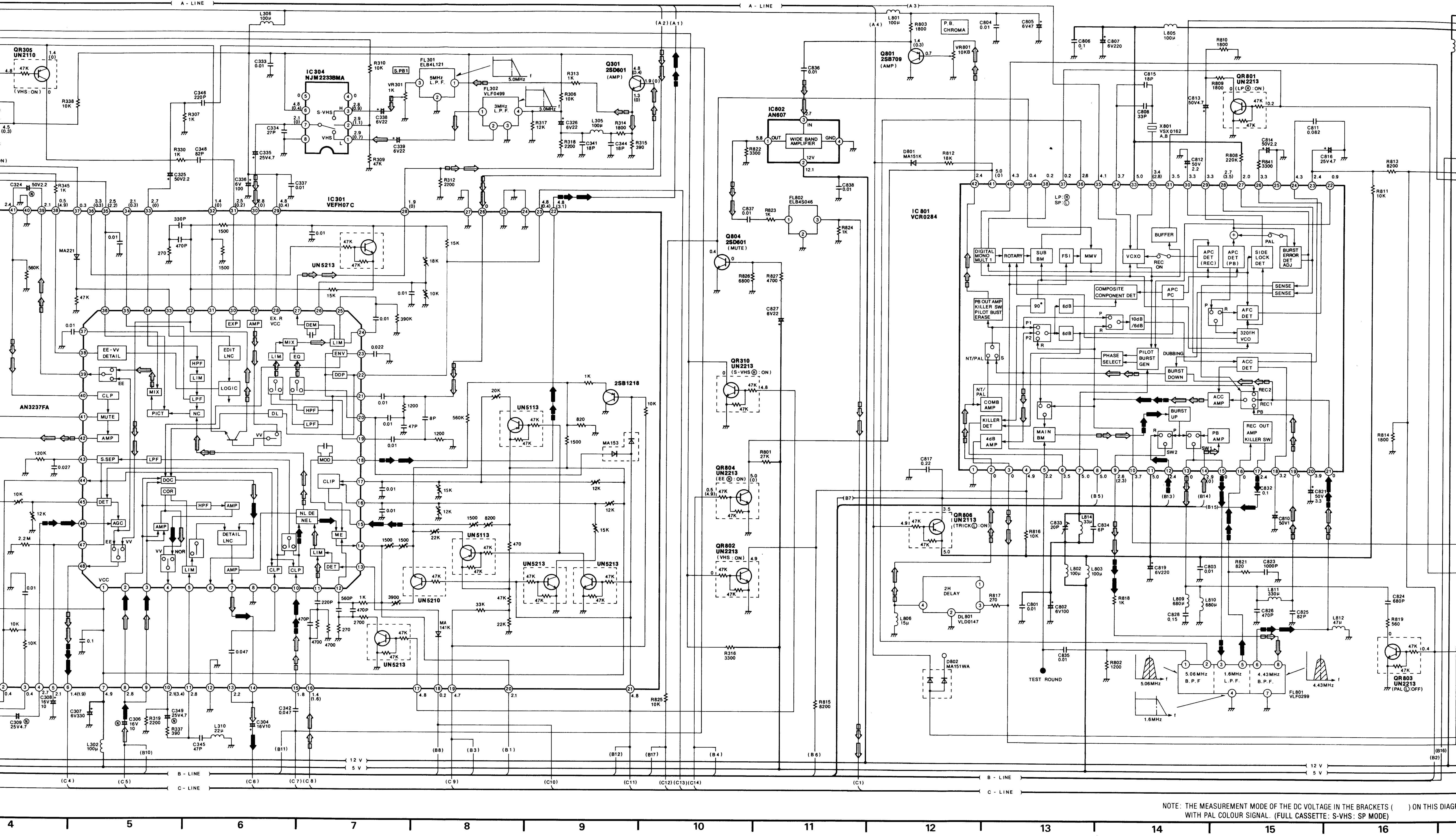

A - LINE
B - LINE
C - LINE
12 V
5 V
IC301
VEFH07C
AN3237FA
IC304
NJM2233BMA
S-VHS
VHS
QR301
UN2213
(S-VHS Ⓡ : ON)
QR302
UN2213
(LP Ⓡ : ON)
QR303
UN2213
(PLAY Ⓡ : ON)
QR304
UN2213
(VHS : ON)
QR305
UN2110
(VHS : ON)
FL301
ELB4L121
5MHz L.P.F.
FL302
VLF0499
3MHz L.P.F.
UN5213
UN5113
UN5210
R341 1K : NV-V8000EG/EB 1200 : NV-V8000B
C311 100P : NV-V8000EG/EB 68P : NV-V8000B
R302 1200 : NV-V8000EG/EB 1800 : NV-V8000B
PACK PIN
(TO LUMINANCE & CHROMINANCE MAIN)
2.4 Y OUT 1
GND 2
2.9 Y IN 3
0.4 VSS 4
0.4 HSS 5
4.8(3.1) REC Y 6
0 ——— 7
5.0 VIDEO 5V 8
12.1 REG 12.3V 9
2.1 W/C 10
0.4 PAL Ⓛ 11
4.7 HEAD SW 12
0.3 EDIT Ⓡ 13
GND 14
0.5(4.9) EE Ⓡ 15
0 ART VSYNC 16
2.5(2.2) PICTURE CTL 17
0 RF Y 18
5.0 ROTARY SW 19
4.9 CPN IN Ⓛ 20
3.5 ——— 21
4.9(0.4) PLAY 5V 22
0.2 LP Ⓡ 23
0 ——— 24
4.5 S.EMPHA IN 25
4.1 PB CPS Ⓡ 26
1.6 YNR OUT 27
4.8 S-VHS Ⓡ 28
2.4 C IN 29
GND 30
2.9(0) RF CHROMA 31
4.9 TRICK Ⓛ 32
0 REC CHROMA 33
0 GND 34
0 4.43MHz 35
EE-VV DETAIL
CLP
MUTE
AMP
S.SEP
DET
AGC
EXP
AMP
EX.R VCC
DEM
MIX
LIM
EQ
ENV
DDP
EDIT LNC
LOGIC
HPF
LIM
LPF
MIX
PICT
NC
DL
HPF
LPF
VV
MOD
CLIP
DOC
COR
HPF
AMP
NL DE NEL
ME
DETAIL LNC
AMP
LIM
DET
CLP
CLP
VCC
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8

SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE (VHS)

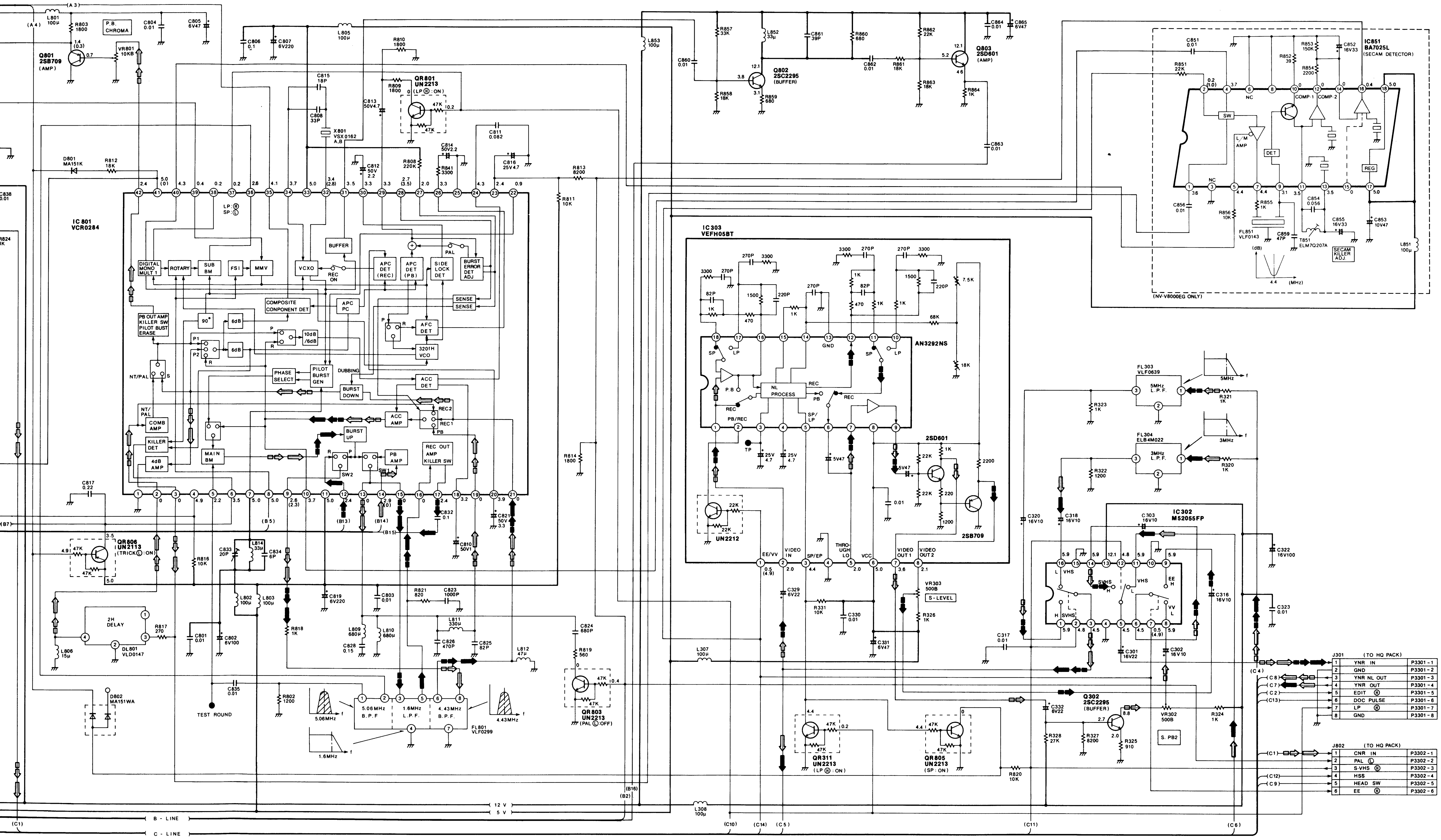
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

MAIN SIGNAL PATH IN REC MO


A - LINE
IC304 NJM2233BMA
IC301 VEFH07C
AN3237FA
IC802 AN607
WIDE BAND AMPLIFIER
IC801 VCR0284
Q301 2SD601 (AMP)
Q801 2SB709 (AMP)
Q804 2SD601 (MUTE)
QR305 UN2110
QR310 UN2213 (S-VHS Ⓢ : ON)
QR804 UN2213 (EE Ⓡ : ON)
QR802 UN2213 (VHS : ON)
QR806 UN2113 (TRICK Ⓣ : ON)
QR801 UN2213 (LP Ⓡ : ON)
QR803 UN2213 (PAL Ⓛ OFF)
UN5213
UN5113
UN5210
2SB1218
MA153
MA221
D801 MA151K
D802 MA151WA
FL301 ELB4L121
5MHz L.P.F.
FL302 VLF0499
3MHz L.P.F.
FL802 ELB4S046
FL801 VLF0299
5.06MHz B.P.F.
1.6MHz L.P.F.
4.43MHz B.P.F.
DL801 VLD0147
2H DELAY
X801 VSX0162 A,B
P.B. CHROMA
TEST ROUND
B - LINE
C - LINE
12 V
5 V
4
5
6
7
8
9
10
11
12
13
14
15
16

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAG
WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

L PATH IN PLAYBACK MODE (VHS) ◀■ MAIN SIGNAL PATH IN REC MODE (S-VHS) ⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)


IC 801
VCR0284
IC 303
VEFH05BT
AN3292NS
IC 302
M52055FP
IC851
BA7025L
(SECAM DETECTOR)
(NV-V8000EG ONLY)
Q801
2SB709
(AMP)
Q802
2SC2295
(BUFFER)
Q803
2SD601
(AMP)
Q302
2SC2295
(BUFFER)
QR801
UN2213
(LP Ⓡ: ON)
QR806
UN2113
(TRICK Ⓛ: ON)
QR803
UN2213
(PAL Ⓛ: OFF)
QR311
UN2213
(LP Ⓡ: ON)
QR805
UN2213
(SP: ON)
UN2212
2SD601
2SB709
DIGITAL MONO MULT 1
ROTARY
SUB BM
FSI
MMV
VCXO
BUFFER
APC DET (REC)
APC DET (PB)
SIDE LOCK DET
BURST ERROR DET ADJ
COMPOSITE COMPONENT DET
APC PC
SENSE
AFC DET
320fH VCO
PB OUT AMP KILLER SW PILOT BUST ERASE
PHASE SELECT
PILOT BURST GEN
BURST DOWN
ACC DET
ACC AMP
BURST UP
COMB AMP
KILLER DET
4dB AMP
MAIN BM
PB AMP
REC OUT AMP KILLER SW
NT/PAL
2H DELAY
DL801
VLD0147
FL801
VLF0299
5.06MHz B.P.F
1.6MHz L.P.F.
4.43MHz B.P.F.
FL303
VLF0639
5MHz L.P.F.
FL304
ELB4M022
3MHz L.P.F.
VR303
500B
S-LEVEL
VR302
500B
S. PB2
NL PROCESS
EE/VV
VIDEO IN
SP/EP
THROUGH LO
VCC
VIDEO OUT 1
VIDEO OUT 2
X801
VSX 0162
A,B
TEST ROUND
B - LINE
C - LINE
12 V
5 V
J301 (TO HQ PACK)
1 YNR IN P3301-1
2 GND P3301-2
3 YNR NL OUT P3301-3
4 YNR OUT P3301-4
5 EDIT Ⓡ P3301-5
6 DOC PULSE P3301-6
7 LP Ⓡ P3301-7
8 GND P3301-8
J802 (TO HQ PACK)
1 CNR IN P3302-1
2 PAL Ⓛ P3302-2
3 S-VHS Ⓡ P3302-3
4 HSS P3302-4
5 HEAD SW P3302-5
6 EE Ⓡ P3302-6
SECAM KILLER ADJ
T851
ELM7Q207A
FL851
VLF0143

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

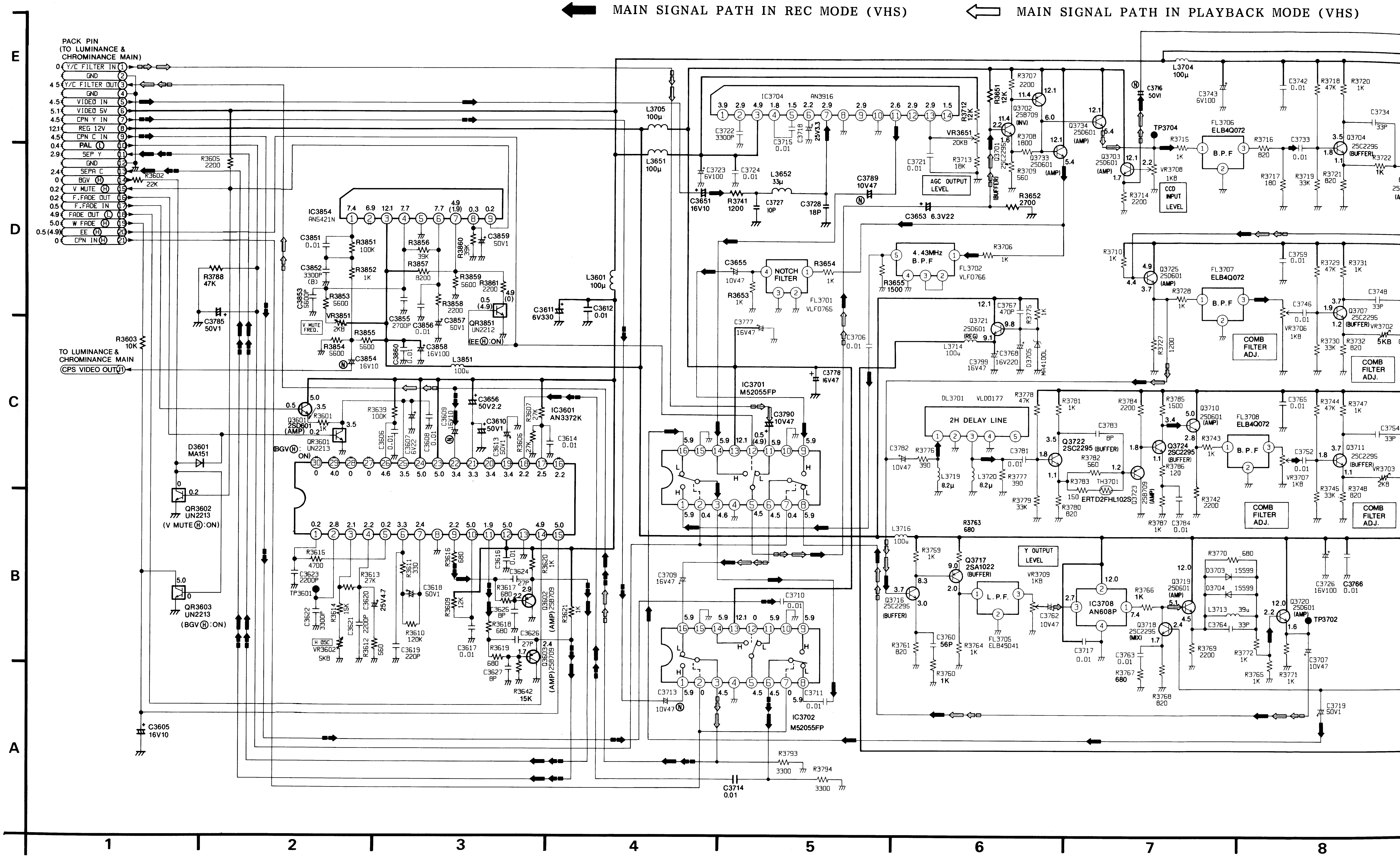
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

12 13 14 15 16 17 18 19 20 21 22 23

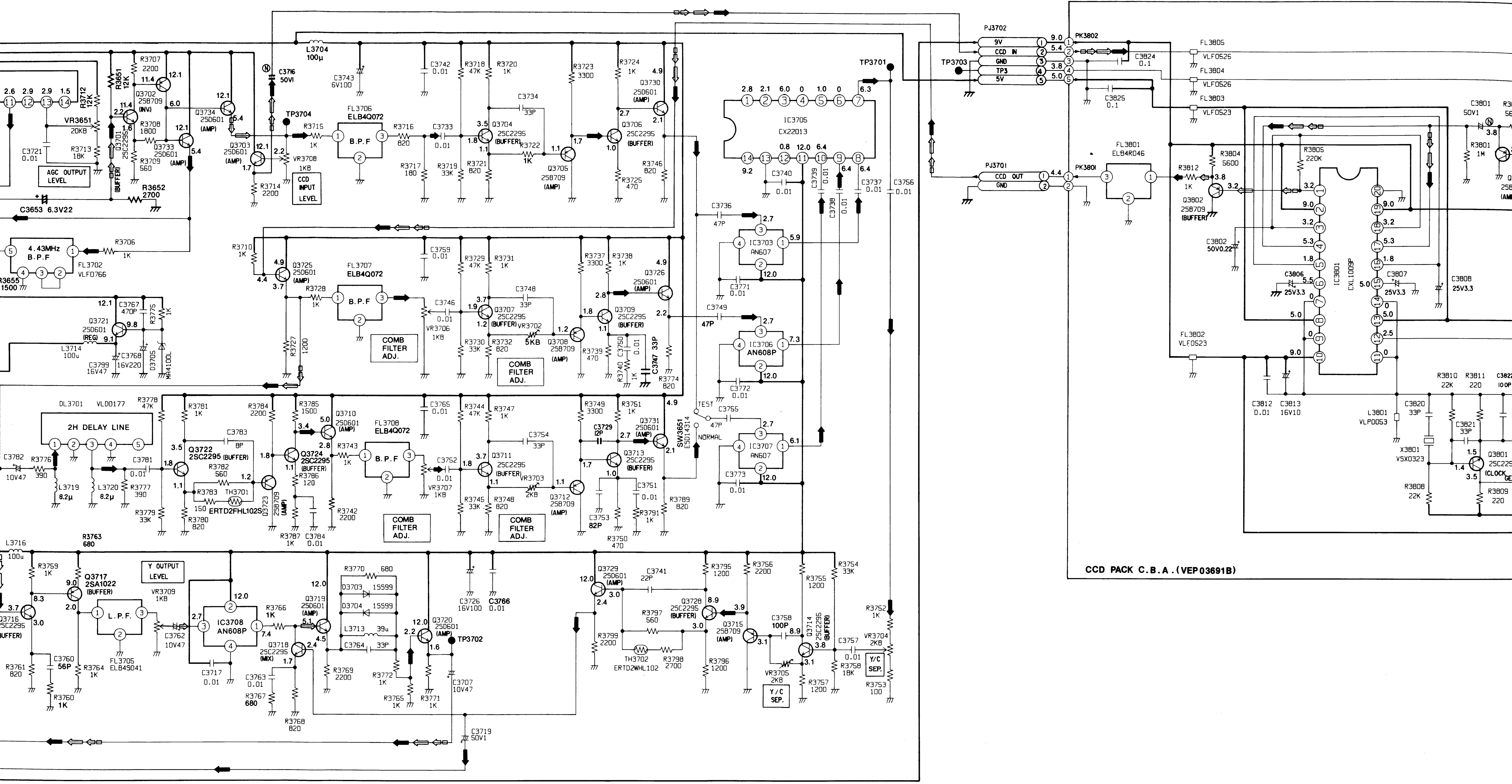
Next Page:
Y/C SEPARATION Section

3-29. Y/C SEPARATION PACK SCHEMATIC DIAGRAM

◀ MAIN SIGNAL PATH IN REC MODE (VHS) ⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)


PACK PIN (TO LUMINANCE & CHROMINANCE MAIN)
Y/C FILTER IN ①
GND ②
Y/C FILTER OUT ③
GND ④
VIDEO IN ⑤
VIDEO 5V ⑥
CPN Y IN ⑦
REG 12V ⑧
CPN C IN ⑨
PAL Ⓛ ⑩
SEP Y ⑪
GND ⑫
SEPA C ⑬
BGV Ⓗ ⑭
V MUTE Ⓗ ⑮
F.FADE OUT ⑯
F.FADE IN ⑰
FADE OUT Ⓛ ⑱
W FADE Ⓗ ⑲
EE Ⓗ ⑳
CPN IN Ⓗ ㉑
TO LUMINANCE & CHROMINANCE MAIN
CPS VIDEO OUT J1
IC3854 AN5421N
IC3601 AN3372K
IC3704 AN3916
IC3701 M52055FP
IC3702 M52055FP
IC3708 AN608P
QR3601 UN2213
QR3602 UN2213 (V MUTE Ⓗ:ON)
QR3603 UN2213 (BGV Ⓗ:ON)
QR3851 UN2212 (EE Ⓗ:ON)
D3601 MA151
Q3601 2SD601 (AMP)
Q3602 2SB709 (AMP)
Q3603 2SB709 (AMP)
Q3701 2SC2295 (BUFFER)
Q3702 2SB709 (INV)
Q3703 2SD601 (AMP)
Q3704 2SC2295 (BUFFER)
Q3707 2SC2295 (BUFFER)
Q3710 2SD601 (AMP)
Q3711 2SC2295 (BUFFER)
Q3716 2SC2295 (BUFFER)
Q3717 2SA1022 (BUFFER)
Q3718 2SC2295 (MIX)
Q3719 2SD601 (AMP)
Q3720 2SD601 (AMP)
Q3721 2SD601 (REG)
Q3722 2SC2295 (BUFFER)
Q3723 2SB709 (AMP)
Q3724 2SC2295 (BUFFER)
Q3725 2SD601 (AMP)
Q3733 2SD601 (AMP)
Q3734 2SD601 (AMP)
NOTCH FILTER
FL3701 VLF0765
4.43MHz B.P.F
FL3702 VLF0766
FL3706 ELB4Q072
FL3707 ELB4Q072
FL3708 ELB4Q072
B.P.F
L.P.F.
FL3705 ELB45041
DL3701 VLD0177
2H DELAY LINE
TH3701 ERTD2FHL102S
AGC OUTPUT LEVEL
CCD INPUT LEVEL
Y OUTPUT LEVEL
COMB FILTER ADJ.
H OSC VR3602 5KB
V MUTE FREQ.
VR3851 2KB
VR3651 20KB
VR3708 1KB
VR3709 1KB
VR3706 1KB
VR3707 1KB
VR3702 5KB
VR3703 2KB
TP3601
TP3702
TP3704
E
D
C
B
A
1
2
3
4
5
6
7
8

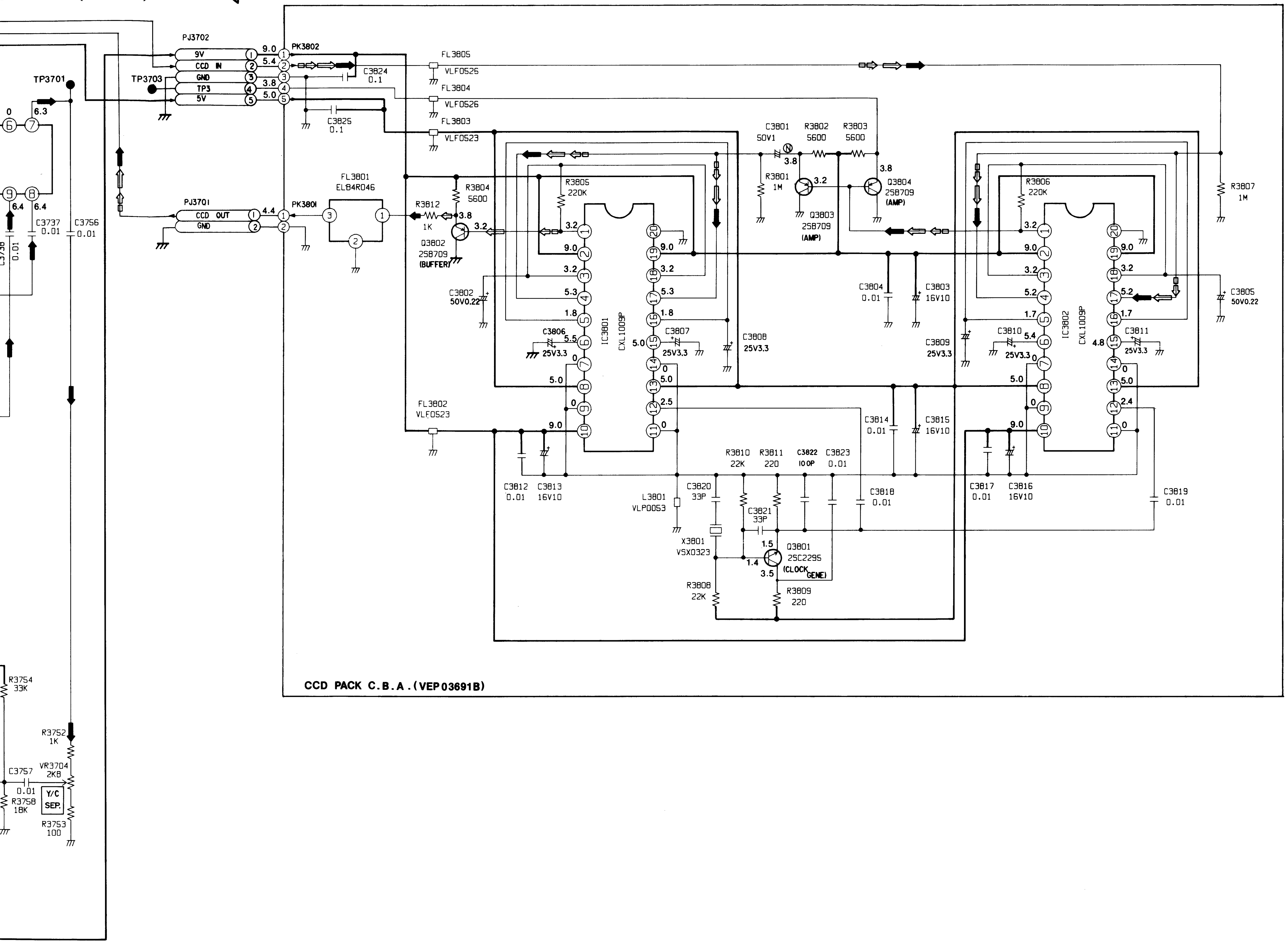
HS)　⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)　◀■ MAIN SIGNAL PATH IN REC MODE (S-VHS)　⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)



AGC OUTPUT LEVEL
VR3651 20KB
R3652 2700
C3653 6.3V22
Q3701 2SC2295 (BUFFER)
Q3702 2SB709 (INV)
Q3733 2SD601 (AMP)
Q3734 2SD601 (AMP)
Q3703 2SD601 (AMP)
L3704 100μ
C3716 50V1
TP3704
VR3708 1KB
CCD INPUT LEVEL
FL3706 ELB4Q072
B.P.F
Q3704 2SC2295 (BUFFER)
Q3705 2SB709 (AMP)
Q3730 2SD601 (AMP)
Q3706 2SC2295 (BUFFER)
TP3701
IC3705 CX22013
4.43MHz B.P.F
FL3702 VLF0766
Q3725 2SD601 (AMP)
FL3707 ELB4Q072
VR3706 1KB
COMB FILTER ADJ.
Q3707 2SC2295 (BUFFER)
VR3702 5KB
Q3708 2SB709 (AMP)
Q3726 2SD601 (AMP)
Q3709 2SC2295 (BUFFER)
IC3703 AN607
IC3706 AN608P
IC3707 AN607
Q3721 2SD601 (REG)
L3714 100u
D3705 MA4100L
DL3701 VLD0177
2H DELAY LINE
L3719 8.2μ
L3720 8.2μ
Q3722 2SC2295 (BUFFER)
TH3701 ERTD2FHL102S
Q3723 2SB709 (AMP)
Q3724 2SC2295 (BUFFER)
Q3710 2SD601 (AMP)
FL3708 ELB4Q072
VR3707 1KB
Q3711 2SC2295 (BUFFER)
VR3703 2KB
Q3712 2SB709 (AMP)
Q3731 2SD601 (AMP)
Q3713 2SC2295 (BUFFER)
SW3651 ESD14314
TEST
NORMAL
L3716 100u
Q3717 2SA1022 (BUFFER)
Q3716 2SC2295 (BUFFER)
Y OUTPUT LEVEL
VR3709 1KB
L.P.F.
FL3705 ELB4S041
IC3708 AN608P
Q3718 2SC2295 (MIX)
Q3719 2SD601 (AMP)
D3703 1SS99
D3704 1SS99
L3713 39u
Q3720 2SD601 (AMP)
TP3702
C3719 50V1
Q3729 2SD601 (AMP)
Q3728 2SC2295 (BUFFER)
TH3702 ERTD2WHL102
Q3715 2SB709 (AMP)
VR3705 2KB
Y/C SEP.
Q3714 2SC2295 (BUFFER)
VR3704 2KB
PJ3702
PK3802
9V
CCD IN
GND
TP3
5V
TP3703
PJ3701
CCD OUT
GND
PK3801
FL3801 ELB4R046
FL3805 VLF0526
FL3804 VLF0526
FL3803 VLF0523
FL3802 VLF0523
Q3802 2SB709 (BUFFER)
IC3801 CXL1009P
L3801 VLP0053
X3801 VSX0323
Q3801 2SC229 (CLOCK GE
CCD PACK C.B.A.(VEP03691B)
6
7
8
9
10
11
12
13

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS
WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACK
WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

C MODE (S-VHS) ⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

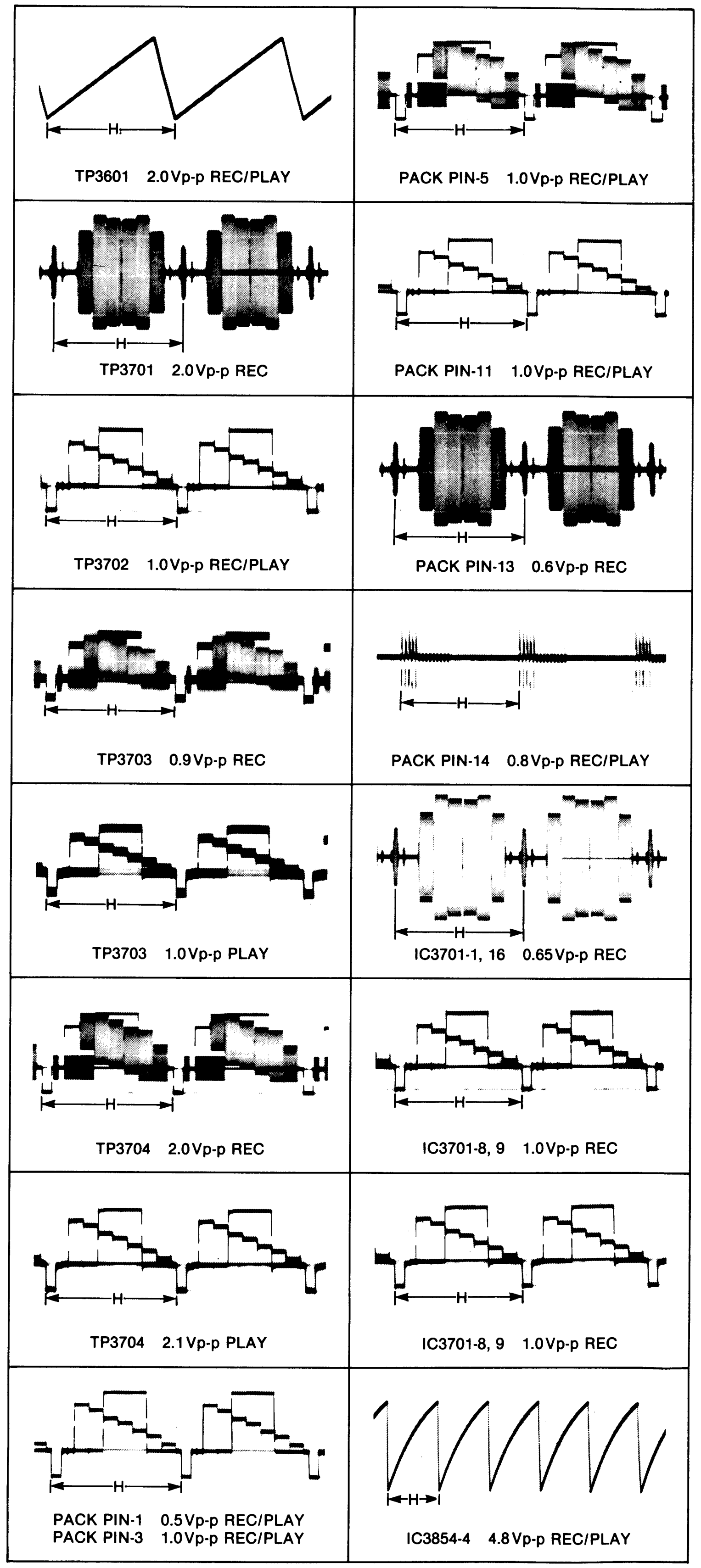


PJ3702
9V
CCD IN
GND
TP3
5V
TP3701
TP3703
PK3802
9.0
5.4
3.8
5.0
C3824
0.1
C3825
0.1
FL3805
VLF0526
FL3804
VLF0526
FL3803
VLF0523
PJ3701
CCD OUT
GND
4.4
PK3801
FL3801
ELB4R046
R3812
1K
R3804
5600
Q3802
2SB709
(BUFFER)
C3802
50V0.22
R3805
220K
IC3801
CXL1009P
C3806
25V3.3
C3807
25V3.3
C3808
25V3.3
C3801
50V1
R3802
5600
R3803
5600
R3801
1M
Q3803
2SB709
(AMP)
Q3804
2SB709
(AMP)
C3804
0.01
C3803
16V10
C3809
25V3.3
R3806
220K
IC3802
CXL1009P
C3810
25V3.3
C3811
25V3.3
R3807
1M
C3805
50V0.22
FL3802
VLF0523
C3814
0.01
C3815
16V10
C3812
0.01
C3813
16V10
R3810
22K
R3811
220
C3822
100P
C3823
0.01
C3818
0.01
C3817
0.01
C3816
16V10
C3819
0.01
L3801
VLP0053
C3820
33P
C3821
33P
X3801
VSX0323
Q3801
2SC2295
(CLOCK GENE)
R3808
22K
R3809
220
C3737
0.01
C3756
0.01
R3754
33K
R3752
1K
C3757
0.01
VR3704
2KB
Y/C SEP.
R3758
18K
R3753
100
CCD PACK C.B.A.(VEP03691B)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

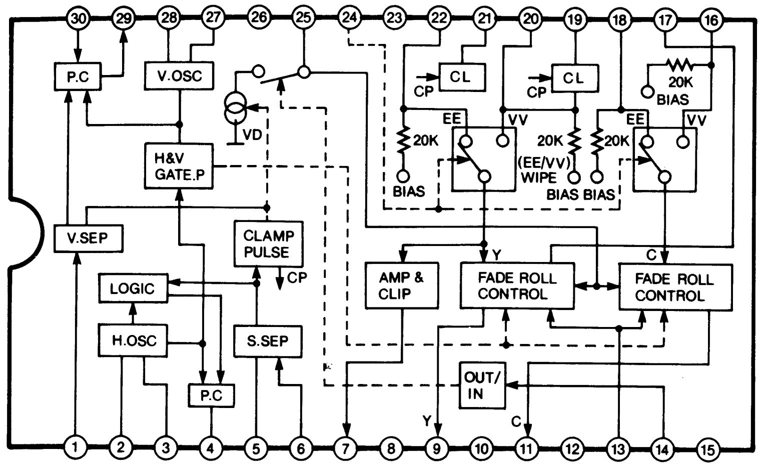
WAVEFORM OF Y/C SEPARATION PACK



TP3601 2.0Vp-p REC/PLAY
PACK PIN-5 1.0Vp-p REC/PLAY
TP3701 2.0Vp-p REC
PACK PIN-11 1.0Vp-p REC/PLAY
TP3702 1.0Vp-p REC/PLAY
PACK PIN-13 0.6Vp-p REC
TP3703 0.9Vp-p REC
PACK PIN-14 0.8Vp-p REC/PLAY
TP3703 1.0Vp-p PLAY
IC3701-1, 16 0.65Vp-p REC
TP3704 2.0Vp-p REC
IC3701-8, 9 1.0Vp-p REC
TP3704 2.1Vp-p PLAY
IC3701-8, 9 1.0Vp-p REC
PACK PIN-1 0.5Vp-p REC/PLAY
PACK PIN-3 1.0Vp-p REC/PLAY
IC3854-4 4.8Vp-p REC/PLAY

IC BLOCK

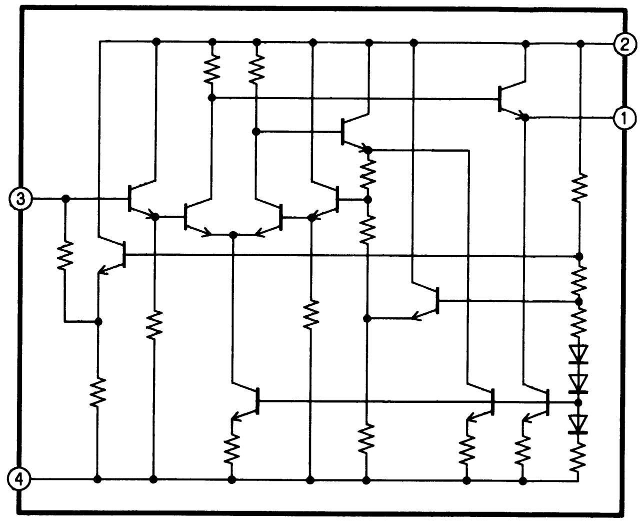
IC3601 (AN3372K)



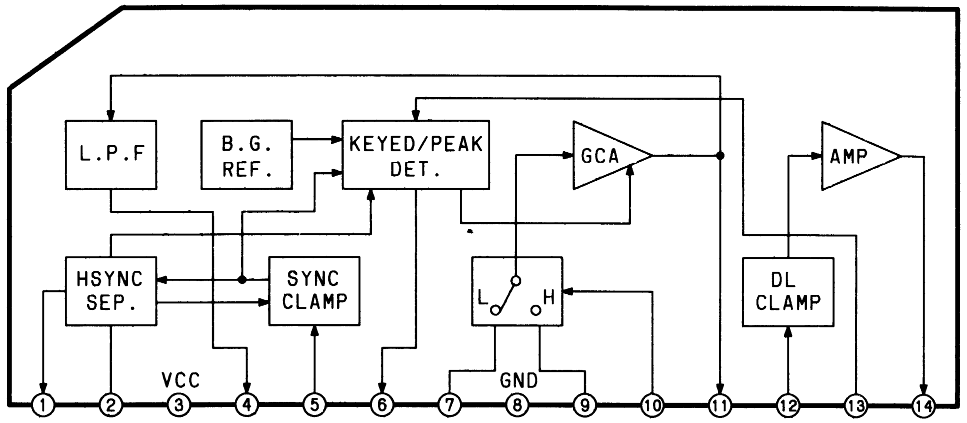
30 29 28 27 26 25 24 23 22 21 20 19 18 17 16
P.C
V.OSC
VD
H&V GATE.P
V.SEP
CLAMP PULSE
CP
LOGIC
H.OSC
P.C
S.SEP
CL
CP
CL
CP
20K
BIAS
EE
VV
20K
BIAS
20K
(EE/VV) WIPE
20K
BIAS BIAS
EE
VV
Y
C
AMP & CLIP
FADE ROLL CONTROL
FADE ROLL CONTROL
OUT/ IN
Y
C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

IC3703, IC3707 (AN607)

(WIDE BAND AMPLIFIER)



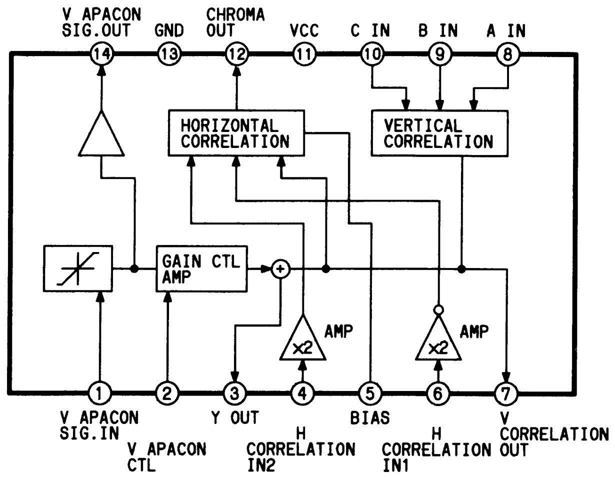
IC3704 (AN3916)



L.P.F
B.G. REF.
KEYED/PEAK DET.
GCA
AMP
HSYNC SEP.
SYNC CLAMP
L H
DL CLAMP
VCC
GND
1 2 3 4 5 6 7 8 9 10 11 12 13 14

IC3705 (CX22013)

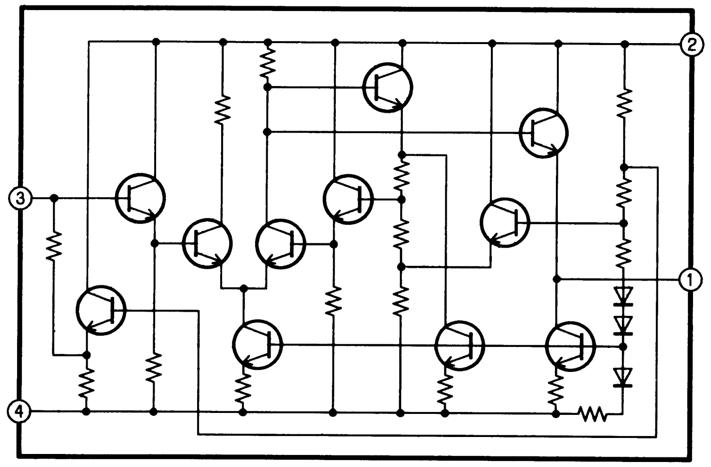
(DYNAMIC COMB FILTER)



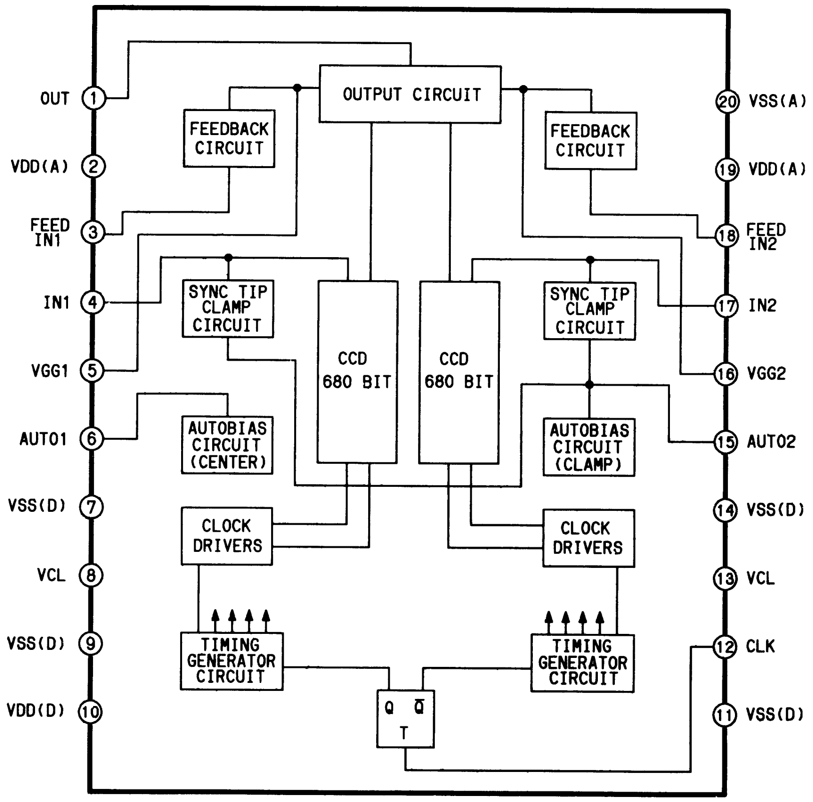
V APACON SIG.OUT
GND
CHROMA OUT
VCC
C IN
B IN
A IN
14 13 12 11 10 9 8
HORIZONTAL CORRELATION
VERTICAL CORRELATION
GAIN CTL AMP
AMP
×2
AMP
×2
1 2 3 4 5 6 7
V APACON SIG.IN
V APACON CTL
Y OUT
H CORRELATION IN2
BIAS
H CORRELATION IN1
V CORRELATION OUT

IC3706, IC3708 (AN608)

(WIDE BAND AMPLIFIER)

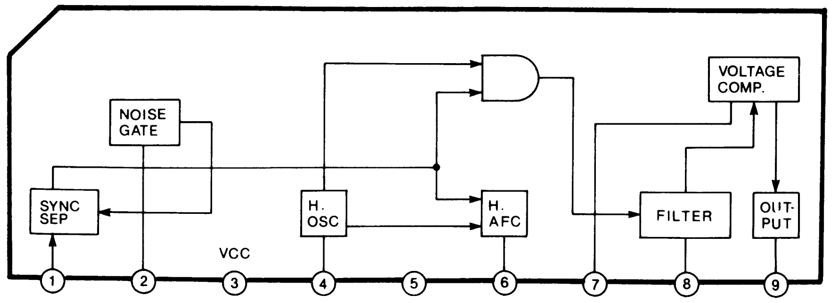


IC3801, IC3802 (CXL1009P)



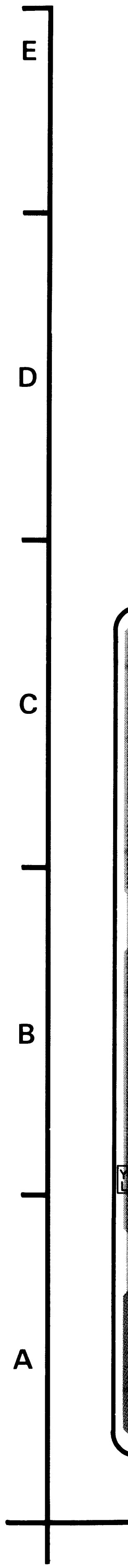
OUT 1
VDD(A) 2
FEED IN1 3
IN1 4
VGG1 5
AUTO1 6
VSS(D) 7
VCL 8
VSS(D) 9
VDD(D) 10
OUTPUT CIRCUIT
FEEDBACK CIRCUIT
FEEDBACK CIRCUIT
SYNC TIP CLAMP CIRCUIT
SYNC TIP CLAMP CIRCUIT
CCD 680 BIT
CCD 680 BIT
AUTOBIAS CIRCUIT (CENTER)
AUTOBIAS CIRCUIT (CLAMP)
CLOCK DRIVERS
CLOCK DRIVERS
TIMING GENERATOR CIRCUIT
TIMING GENERATOR CIRCUIT
Q Q̄ T
20 VSS(A)
19 VDD(A)
18 FEED IN2
17 IN2
16 VGG2
15 AUTO2
14 VSS(D)
13 VCL
12 CLK
11 VSS(D)

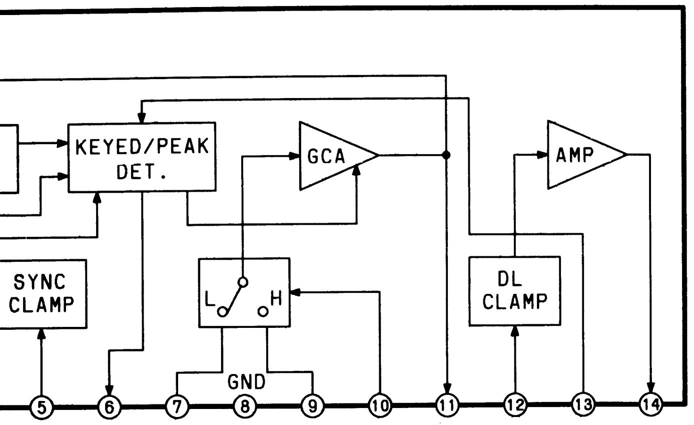
IC3854 (AN5421N)



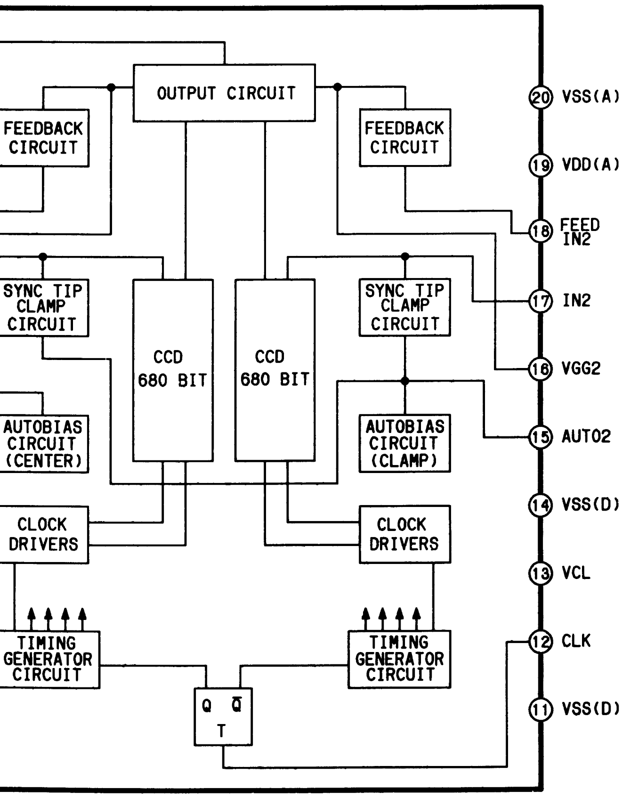
NOISE GATE
SYNC SEP
H. OSC
H. AFC
VOLTAGE COMP.
FILTER
OUT-PUT
VCC
1 2 3 4 5 6 7 8 9

3-30. Y

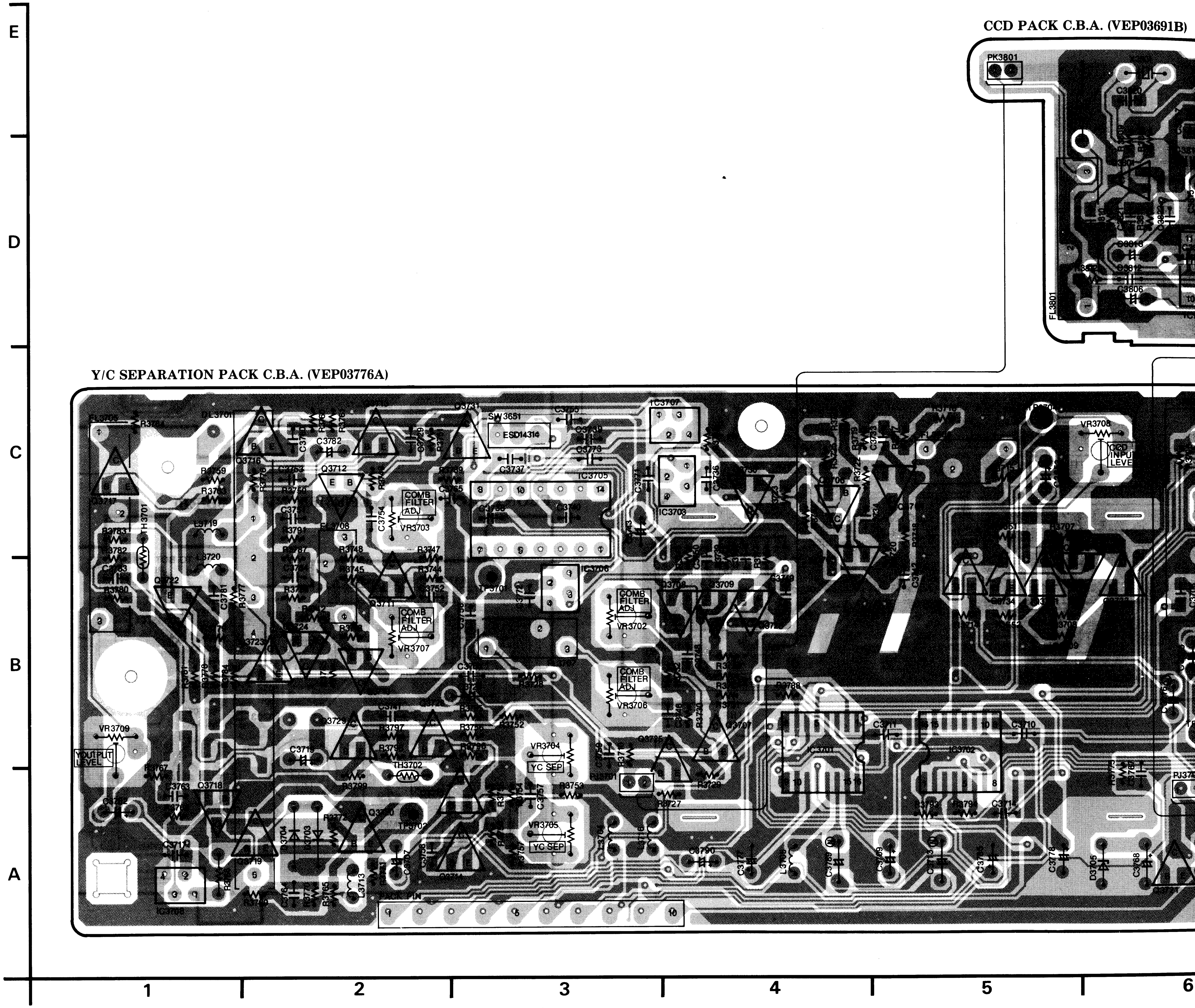



KEYED/PEAK DET.
GCA
AMP
SYNC CLAMP
L
H
GND
DL CLAMP
5
6
7
8
9
10
11
12
13
14

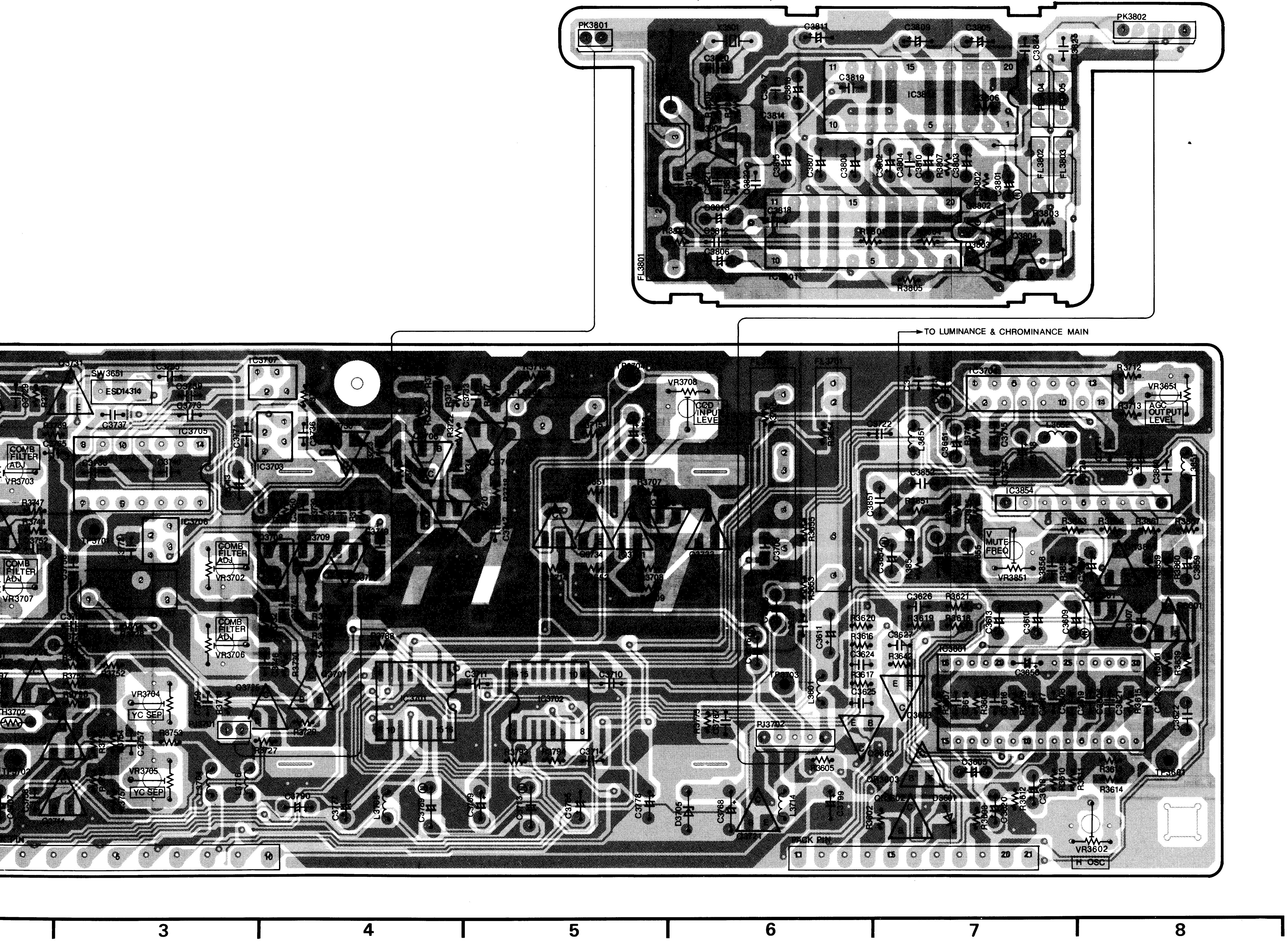
, IC3802 (CXL1009P)


OUTPUT CIRCUIT
FEEDBACK CIRCUIT
FEEDBACK CIRCUIT
SYNC TIP CLAMP CIRCUIT
SYNC TIP CLAMP CIRCUIT
CCD 680 BIT
CCD 680 BIT
AUTOBIAS CIRCUIT (CENTER)
AUTOBIAS CIRCUIT (CLAMP)
CLOCK DRIVERS
CLOCK DRIVERS
TIMING GENERATOR CIRCUIT
TIMING GENERATOR CIRCUIT
Q
Q̄
T
20 VSS(A)
19 VDD(A)
18 FEED IN2
17 IN2
16 VGG2
15 AUTO2
14 VSS(D)
13 VCL
12 CLK
11 VSS(D)

3-30. Y/C SEPARATION PACK C.B.A. (VEP03776A)


E
D
C
B
A
1
2
3
4
5
6
CCD PACK C.B.A. (VEP03691B)
PK3801
FL3801
Y/C SEPARATION PACK C.B.A. (VEP03776A)
SW3651
ESD14314
IC3707
IC3705
IC3703
IC3706
IC3701
IC3702
VR3708
CCD INPUT LEVEL
COMB FILTER ADJ
VR3703
VR3707
VR3702
VR3706
VR3709
Y OUTPUT LEVEL
VR3704
YC SEP
VR3705
YC SEP
TH3701
TH3702
Q3716
Q3712
Q3717
Q3722
Q3723
Q3718
Q3719
Q3729
Q3709
Q3734
Q3714
L3719
L3720
L3713
C3782
C3737
C3754
C3757
C3771
C3710
C3763
C3790
R3734
R3759
R3748
R3745
R3747
R3744
R3752
R3753
R3727
R3729
R3767
R3768
R3765
R3794
PJ37

CCD PACK C.B.A. (VEP03691B)


PK3801
PK3802
IC3801
IC3802
FL3801
FL3802
FL3803
→ TO LUMINANCE & CHROMINANCE MAIN
SW3651
ESD14314
IC3707
IC3705
IC3703
IC3706
IC3701
IC3702
IC3704
IC3854
IC3601
COMB FILTER ADJ
VR3703
VR3707
VR3702
VR3706
YC SEP
VR3704
VR3705
VR3708
CCD INPUT LEVEL
VR3651
AGC OUTPUT LEVEL
V MUTE FBEQ
VR3851
PJ3702
PACK PIN
VR3602
H OSC
3
4
5
6
7
8

Y/C SEPARATION PACK C.B.A.	
Transistor	
Q3601	B-8
Q3602	A-6
Q3603	B-7
Q3701	B-5
Q3702	B-6
Q3703	B-5
Q3704	C-5
Q3705	B-4
Q3706	C-4
Q3707	B-4
Q3708	B-4
Q3709	B-4
Q3710	B-2
Q3711	B-2
Q3712	C-2
Q3713	C-2
Q3714	A-3
Q3715	A-3
Q3716	C-2
Q3717	C-1
Q3718	A-1
Q3719	A-2
Q3720	A-2
Q3721	A-6
Q3722	B-1
Q3723	B-2
Q3724	B-2
Q3725	B-4
Q3726	B-4
Q3728	B-2
Q3729	B-2
Q3730	C-4
Q3731	C-3
Q3733	B-6
Q3734	B-5
Q3801	D-6
Q3802	D-7
Q3803	D-7
Q3804	D-7
Transistor & Resistor	
QR3601	B-8
QR3602	A-7
QR3603	A-7
QR3851	B-8
Integrated Circuit	
IC3601	B-7
IC3701	B-4
IC3702	B-5
IC3703	C-4
IC3704	C-7
IC3705	C-3
IC3706	B-3
IC3707	C-4
IC3708	A-1
IC3801	D-7
IC3802	E-7
IC3854	C-7
Test Point	
TP3601	A-8
TP3701	B-3
TP3702	A-2
TP3703	B-6
TP3704	C-5
Adjustment	
VR3602	A-8
VR3651	C-8
VR3702	B-3
VR3703	C-2
VR3704	B-3
VR3705	A-3
VR3706	B-3
VR3707	B-2
VR3708	C-6
VR3709	B-1
VR3851	B-7
Connector	
PJ3701	A-3
PJ3702	A-6
PK3801	E-5
PK3802	E-8

ADDRESS INFORMATION

Next Page:
INPUT/OUTPUT Section

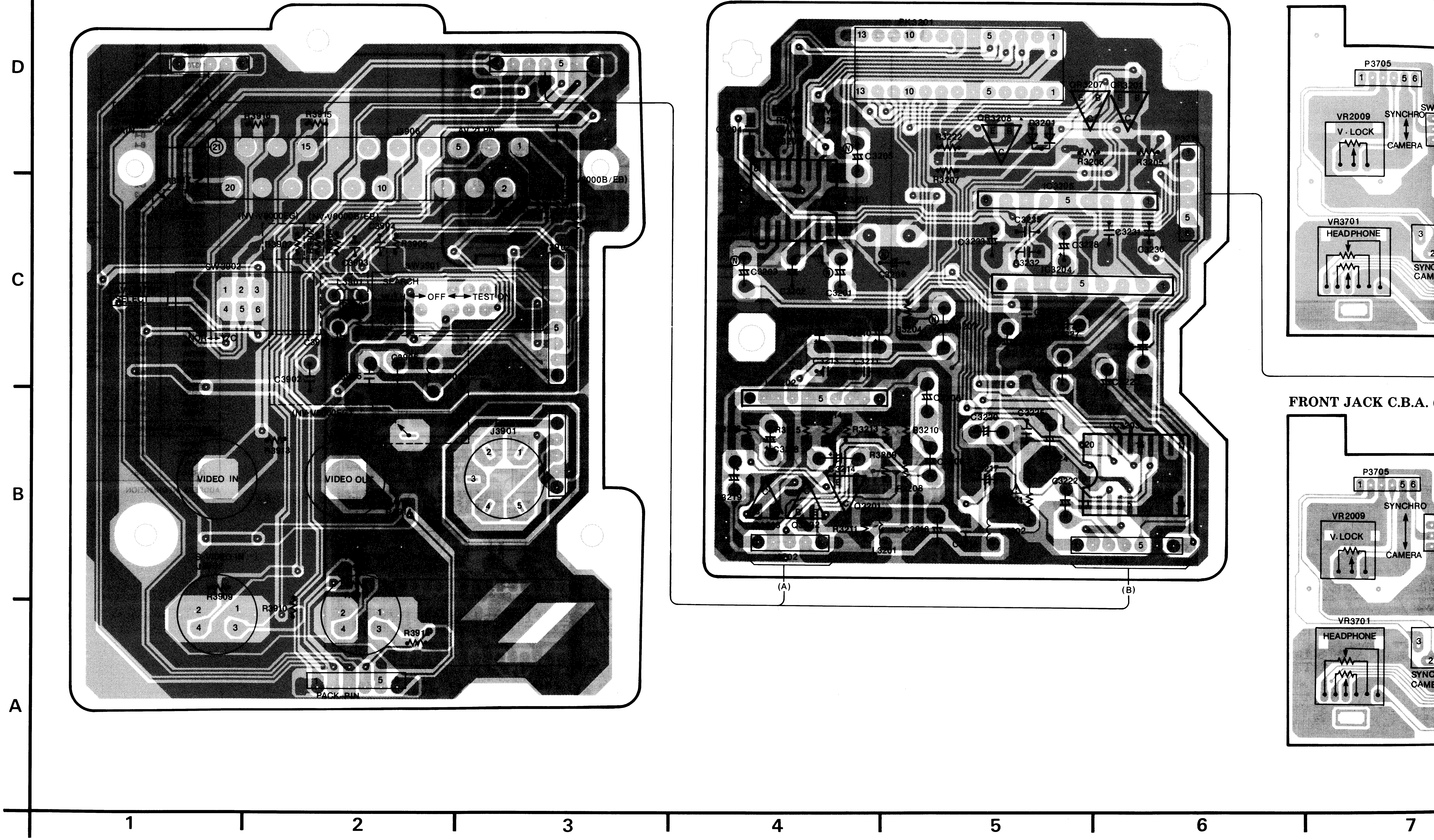
3-31. INPUT/OUTPUT PACK C.B.A. (VEP03780A: NV-V8000EG) (VEP03780C: NV-V8000B) (VEP03780B: NV-V8000EB) & SUB INPUT/OUTPUT PACK C.B.A. (VEP0378

INPUT/OUTPUT PACK C.B.A.
(VEP03780A: NV-V8000EG) (VEP03780C: NV-V8000B) (VEP03780B: NV-V8000EB)

SUB INPUT/OUTPUT PACK C.B.A. (VEP03781A)

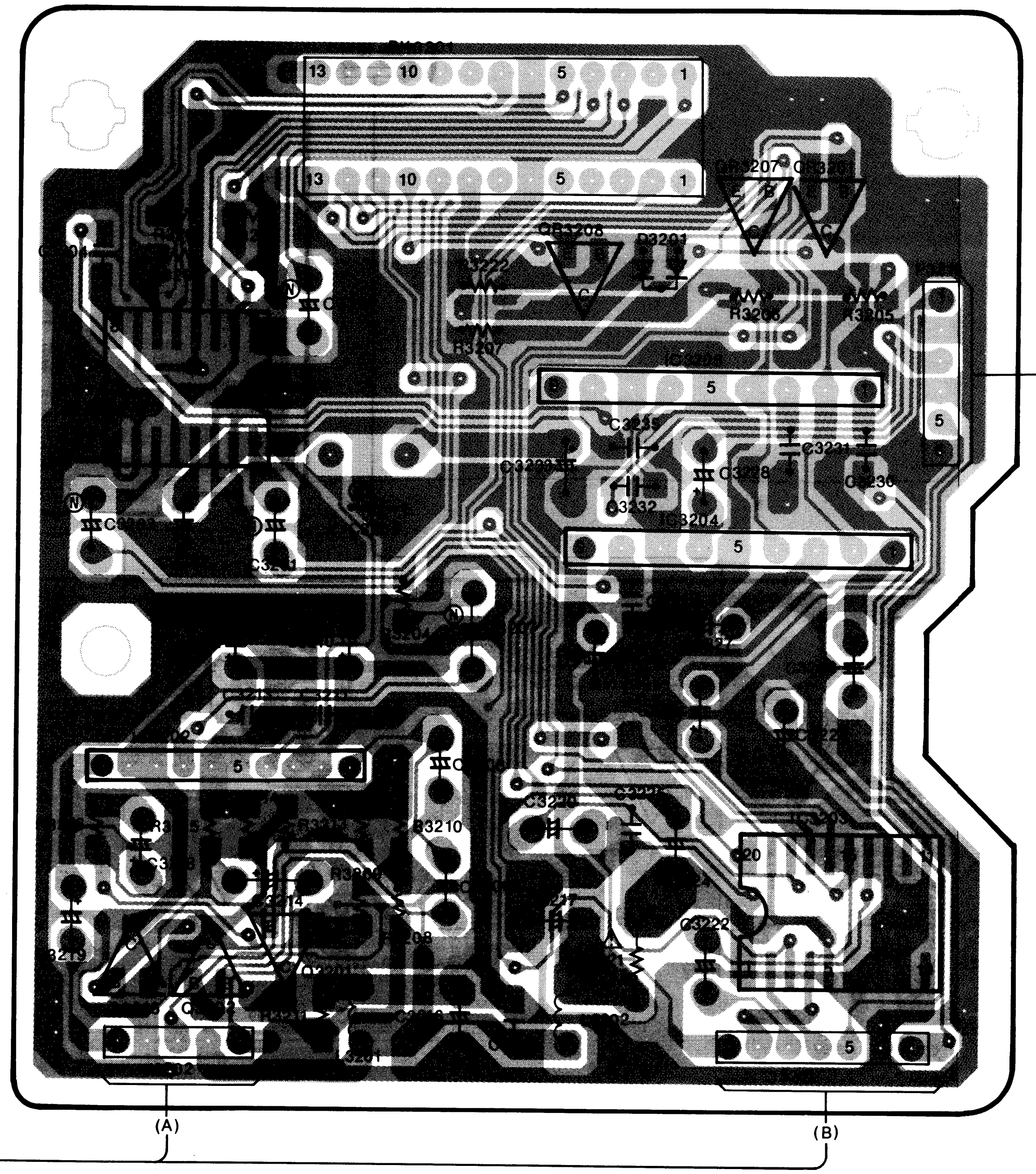
FRONT JACK C.B.A. (

FRONT JACK C.B.A. (


D
C
B
A
1
2
3
4
5
6
7
R3916
R3915
J3906
AV 21 PIN
21
15
5
1
20
10
2
(NV-V8000B/EB)
(NV-V8000EG)
(NV-V8000B/EB)
C3902
R3905
SW3902
1 2 3
4 5 6
SELECT
SW3901
SEARCH
OFF
TEST
C3903
C3901
J3901
VIDEO IN
VIDEO OUT
R3918
R3909
R3910
R3911
PACK PIN
PK3201
13
10
QR3207
QR3208
D3201
C3201
C3205
R3222
R3207
R3206
R3205
C3225
C3221
C3223
C3228
C3236
C3232
IC3204
C3209
C3202
C3210
C3204
R3204
C3213
C3211
C3220
C3224
C3222
R3215
R3213
R3210
R3209
R3208
C3214
C3219
Q3201
R3211
C3218
L3201
(A)
(B)
P3705
VR2009
V·LOCK
SYNCHRO
CAMERA
VR3701
HEADPHONE
SYNC
CAM

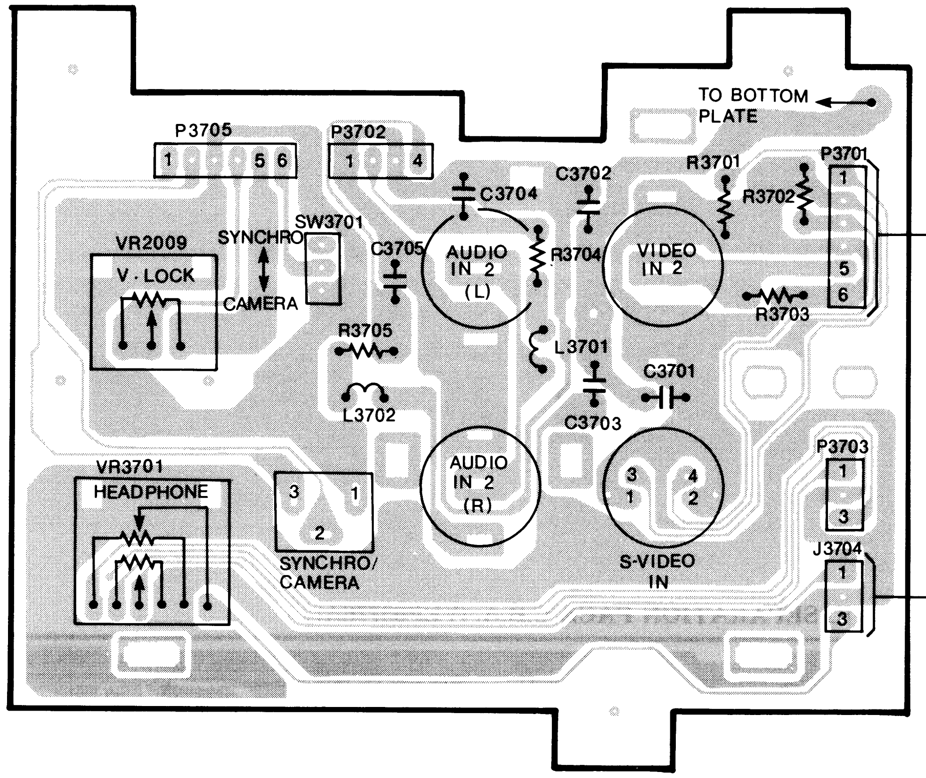
V-V8000B) (VEP03780B: NV-V8000EB) & SUB INPUT/OUTPUT PACK C.B.A. (VEP03781A)

SUB INPUT/OUTPUT PACK C.B.A. (VEP03781A)



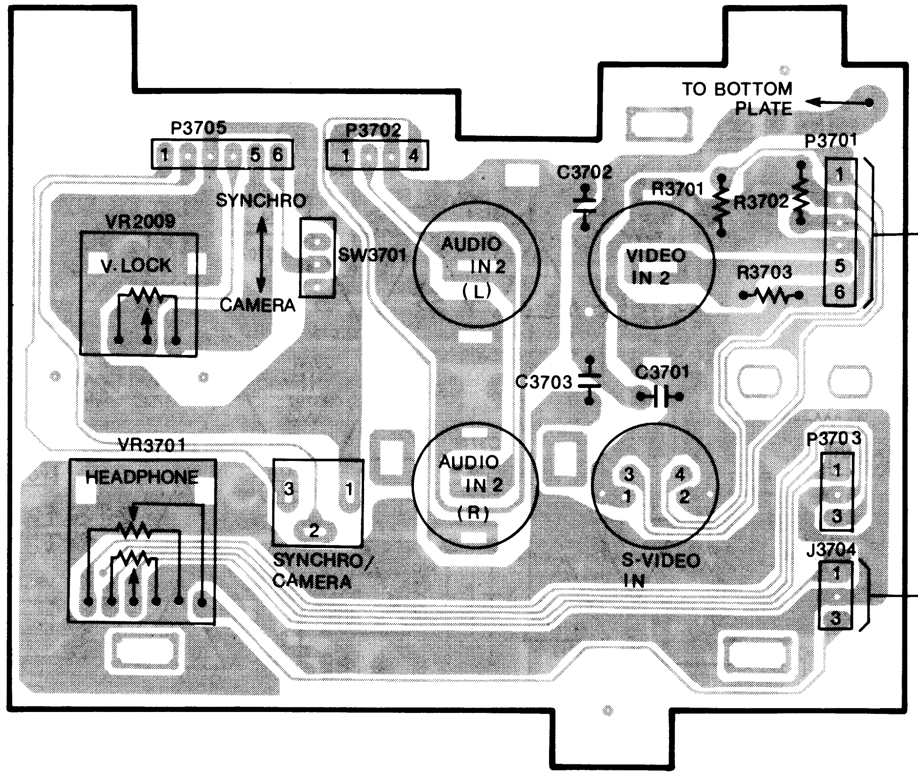
13
10
5
1
QR3207
QR3208
D3201
R3206
R3205
R3207
C3231
C3233
C3228
C3232
C3230
R3204
C3226
R3210
C3222
(A)
(B)

FRONT JACK C.B.A. (VEP04346A: NV-V8000EG)



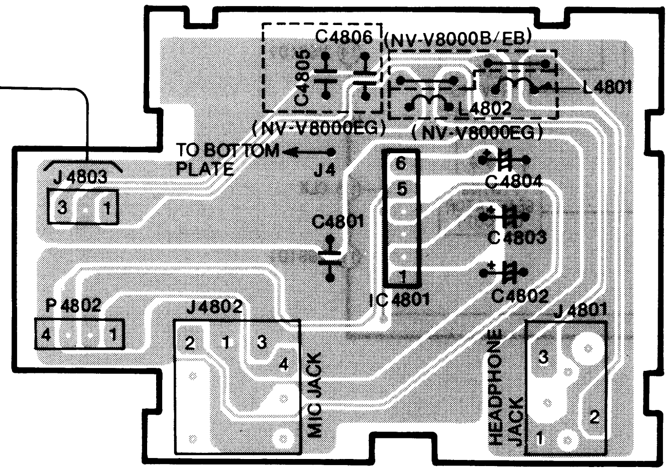
TO BOTTOM PLATE
P3705
1 5 6
P3702
1 4
P3701
1 5 6
C3704
C3702
R3701
R3702
SW3701
VR2009
V·LOCK
SYNCHRO
CAMERA
C3705
AUDIO IN 2 (L)
R3704
VIDEO IN 2
R3703
R3705
L3701
C3701
L3702
C3703
P3703
1 3
VR3701
HEADPHONE
3 1 2
SYNCHRO/ CAMERA
AUDIO IN 2 (R)
3 4 1 2
S-VIDEO IN
J3704
1 3

FRONT JACK C.B.A. (VEP04316B: NV-V8000B/EB)



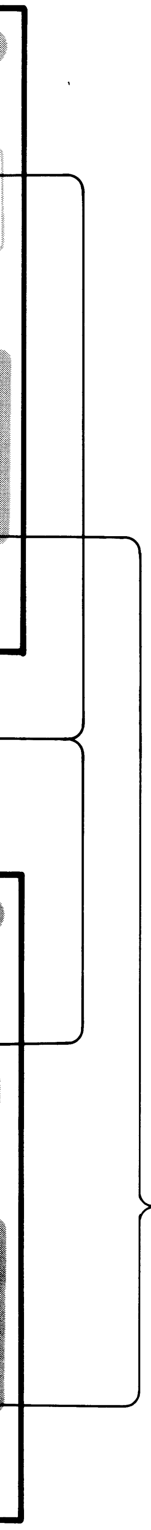
TO BOTTOM PLATE
P3705
1 5 6
P3702
1 4
P3701
1 5 6
SYNCHRO
VR2009
V·LOCK
CAMERA
SW3701
AUDIO IN 2 (L)
C3702
R3701
R3702
VIDEO IN 2
R3703
C3703
C3701
P3703
1 3
VR3701
HEADPHONE
3 1 2
SYNCHRO/ CAMERA
AUDIO IN 2 (R)
3 4 1 2
S-VIDEO IN
J3704
1 3

HEADPHONE & MIC JACK C.B.A.
(VEP00Q26B: NV-V8000EG)
(VEP00Q26A: NV-V8000B/EB)

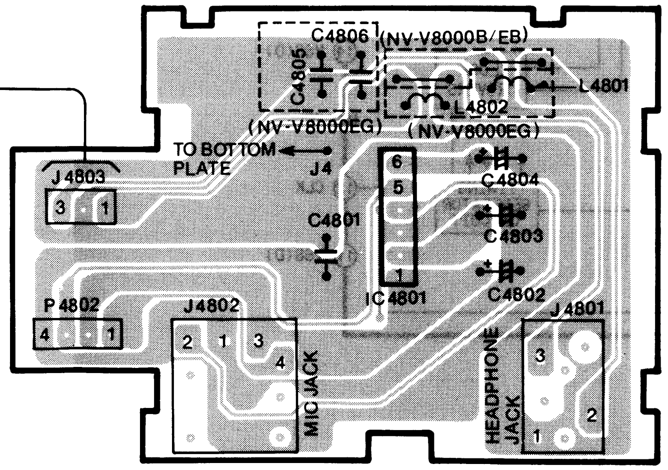


C4806
(NV-V8000B/EB)
C4805
L4802
L4801
(NV-V8000EG)
(NV-V8000EG)
TO BOTTOM PLATE
J4
J4803
3 1
C4804
C4803
C4801
6 5 1
IC4801
C4802
P4802
4 1
J4802
2 1 3 4
MIC JACK
J4801
3 1 2
HEADPHONE JACK

4 5 6 7 8 9 10



HEADPHONE & MIC JACK C.B.A.
(VEP00Q26B: NV-V8000EG)
(VEP00Q26A: NV-V8000B/EB)


C4806
(NV-V8000B/EB)
C4805
L4801
L4802
(NV-V8000EG)
(NV-V8000EG)
TO BOTTOM PLATE
J4
J4803
3
1
6
5
1
C4804
C4801
C4803
IC4801
C4802
P4802
4
1
J4802
2
1
3
4
J4801
3
MIC JACK
HEADPHONE JACK
1
2

9

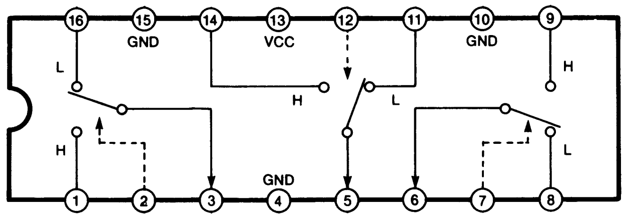
10

INPUT/OUTPUT PACK C.B.A.	
Transistor	
Q3201	B-4
Q3202	B-4
Q3203	B-4
Transistor & Resistor	
QR3201	D-6
QR3207	D-5
QR3208	D-5
Integrated Circuit	
IC3201	C-4
IC3202	B-4
IC3203	B-6
IC3204	C-5
IC3205	C-5
IC4801	A-10
Adjustment	
VR2009	D-7
VR2009	B-7
VR3701	C-7
VR3701	A-7
Connector	
P3210	D-6
P3701	D-8
P3701	B-8
P3702	D-7
P3702	B-7
P3703	C-8
P3703	A-8
P3705	D-7
P3705	B-7
P3901	B-3
P3902	C-3
P3903	D-3
P3904	D-1
P4802	A-9
J3201	B-6
J3202	B-4
J3704	C-8
J3704	A-8
J4801	A-10
J4802	A-9
J4803	A-9
PK3201	D-5

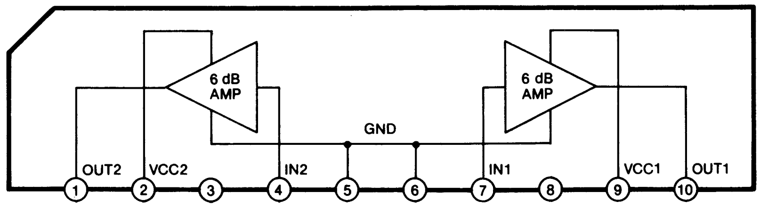
ADDRESS INFORMATION

IC BLOCK

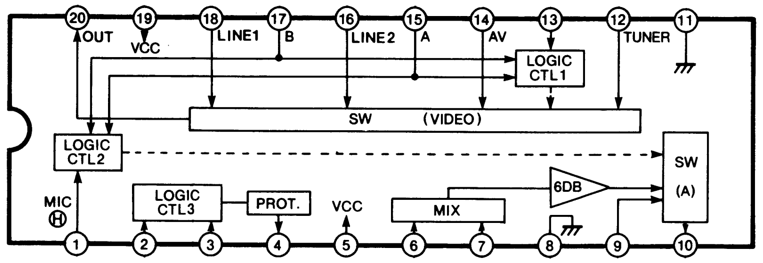
IC3201 (M52055FP)


16
15
14
13
12
11
10
9
GND
VCC
GND
L
H
H
L
H
L
GND
1
2
3
4
5
6
7
8

IC3202 (VCR0281)

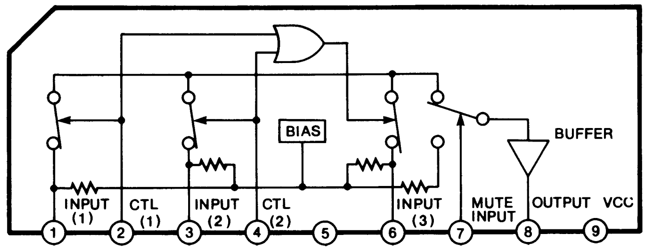

6 dB AMP
6 dB AMP
GND
OUT2
VCC2
IN2
IN1
VCC1
OUT1
1
2
3
4
5
6
7
8
9
10

IC3203 (M51292FP)


20
19
18
17
16
15
14
13
12
11
OUT
VCC
LINE1
B
LINE2
A
AV
TUNER
LOGIC CTL1
SW (VIDEO)
LOGIC CTL2
SW (A)
MIC
LOGIC CTL3
PROT.
VCC
MIX
6DB
1
2
3
4
5
6
7
8
9
10

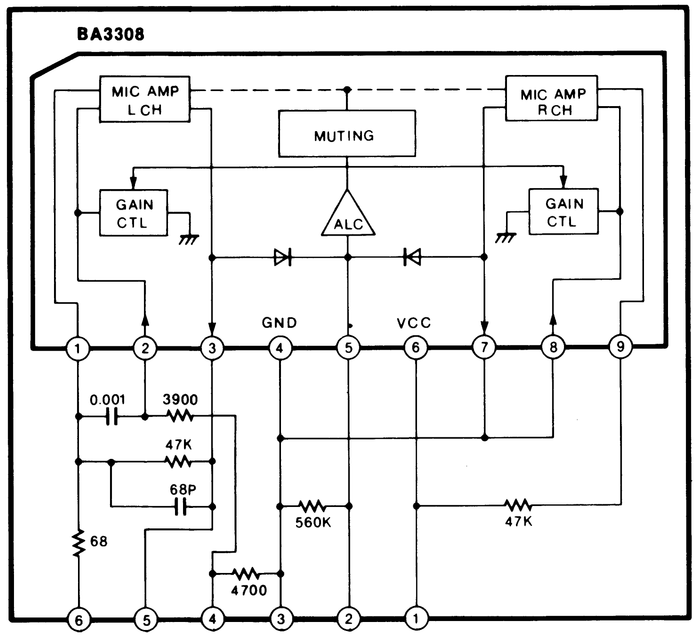
INPUT		OUTPUT
PIN(15)	PIN(17)	
H	L	AV
H	H	LINE 2
L	H	LINE 1

IC3204, IC3205 (TA7348P)


BIAS
BUFFER
INPUT (1)
CTL (1)
INPUT (2)
CTL (2)
INPUT (3)
MUTE INPUT
OUTPUT
VCC
1
2
3
4
5
6
7
8
9

INPUT		OUTPUT
PIN(2)	PIN(4)	
H	L	INPUT-(1)
L	H	INPUT-(2)
L	L	INPUT-(3)

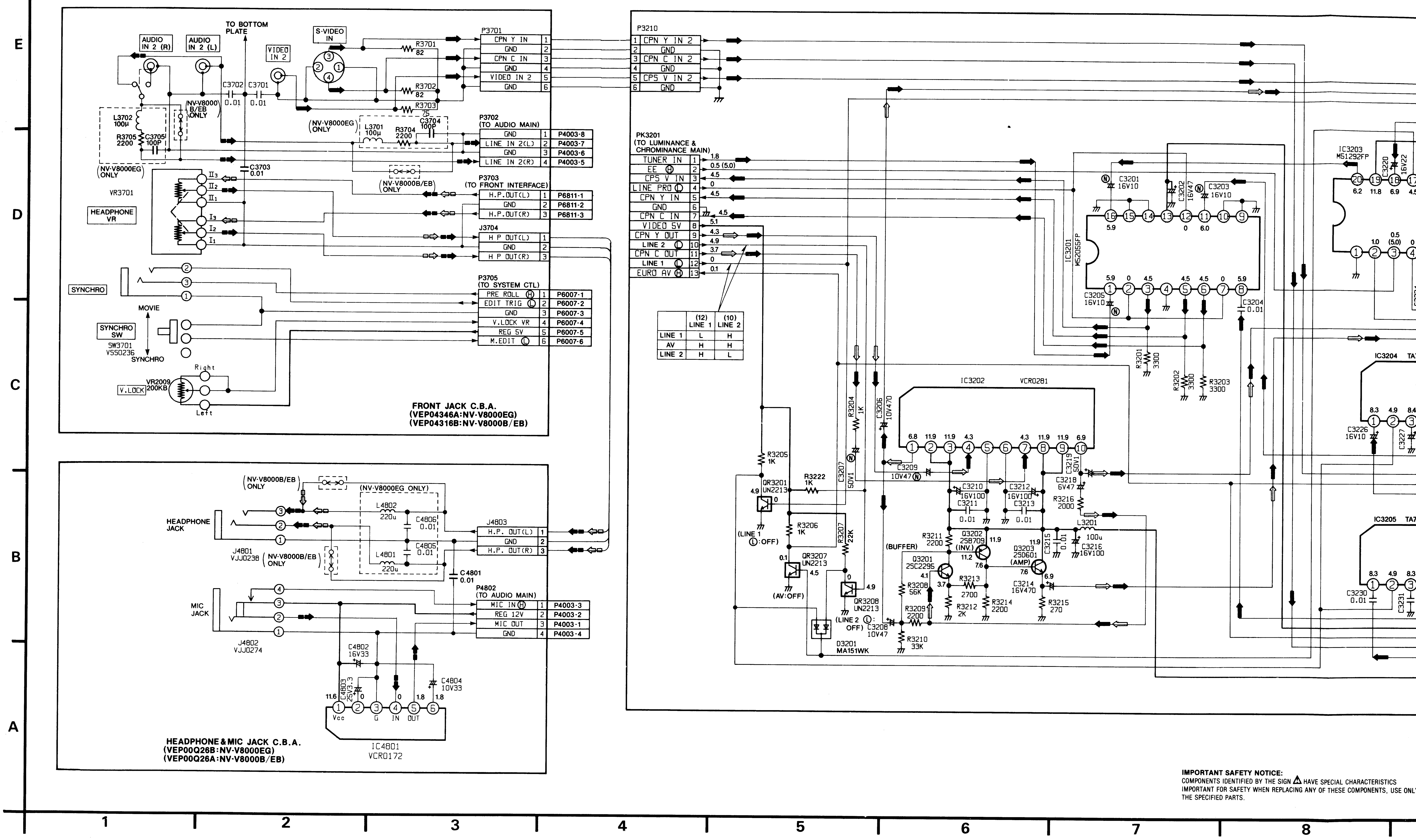
IC4801 (VCR0172)


BA3308
MIC AMP L CH
MIC AMP R CH
MUTING
GAIN CTL
GAIN CTL
ALC
1
2
3
4
5
6
7
8
9
GND
VCC
0.001
3900
47K
68P
560K
47K
68
4700
6
5
4
3
2
1

3-32. INPUT/OUTPUT PACK & SUB INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

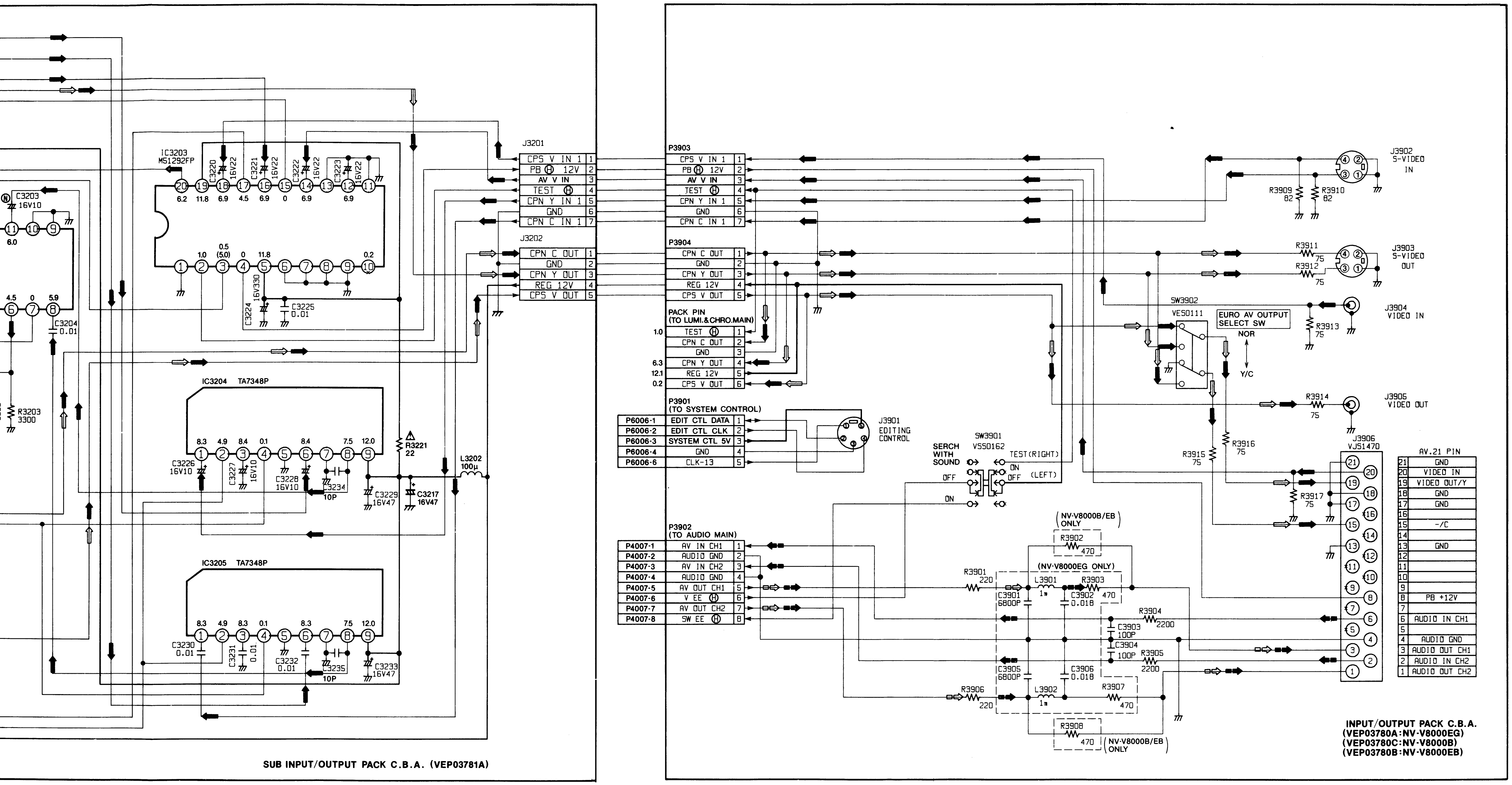
AUDIO MAIN SIGNAL
AUDIO MAIN SIGNAL


E
D
C
B
A
1
2
3
4
5
6
7
8
AUDIO IN 2 (R)
AUDIO IN 2 (L)
TO BOTTOM PLATE
VIDEO IN 2
S-VIDEO IN
P3701
CPN Y IN
GND
CPN C IN
GND
VIDEO IN 2
GND
R3701 82
R3702 82
R3703 75
C3702 0.01
C3701 0.01
(NV-V8000 B/EB ONLY
L3702 100µ
R3705 2200
C3705 100P
(NV-V8000EG) ONLY
(NV-V8000EG) ONLY
L3701 100µ
R3704 2200
C3704 100P
P3702 (TO AUDIO MAIN)
GND
LINE IN 2(L)
GND
LINE IN 2(R)
P4003-8
P4003-7
P4003-6
P4003-5
C3703 0.01
(NV-V8000B/EB) ONLY
P3703 (TO FRONT INTERFACE)
H.P.OUT(L)
GND
H.P.OUT(R)
P6811-1
P6811-2
P6811-3
J3704
H P OUT(L)
GND
H P OUT(R)
VR3701
HEADPHONE VR
SYNCHRO
MOVIE
SYNCHRO SW
SW3701 VSS0236
SYNCHRO
P3705 (TO SYSTEM CTL)
PRE ROLL Ⓗ
EDIT TRIG Ⓛ
GND
V.LOCK VR
REG 5V
M.EDIT Ⓛ
P6007-1
P6007-2
P6007-3
P6007-4
P6007-5
P6007-6
Right
Left
V.LOCK
VR2009 200KB
FRONT JACK C.B.A.
(VEP04346A:NV-V8000EG)
(VEP04316B:NV-V8000B/EB)
(NV-V8000B/EB) ONLY
(NV-V8000EG ONLY)
HEADPHONE JACK
L4802 220u
C4806 0.01
C4805 0.01
L4801 220u
J4801 VJJ0238
(NV-V8000B/EB) ONLY
J4803
H.P. OUT(L)
GND
H.P. OUT(R)
C4801 0.01
P4802 (TO AUDIO MAIN)
MIC IN Ⓗ
REG 12V
MIC OUT
GND
P4003-3
P4003-2
P4003-1
P4003-4
MIC JACK
J4802 VJJ0274
C4802 16V33
C4803 25V3.3
C4804 10V33
Vcc
G
IN
OUT
IC4801 VCR0172
HEADPHONE&MIC JACK C.B.A.
(VEP00Q26B:NV-V8000EG)
(VEP00Q26A:NV-V8000B/EB)
P3210
CPN Y IN 2
GND
CPN C IN 2
GND
CPS V IN 2
GND
PK3201 (TO LUMINANCE & CHROMINANCE MAIN)
TUNER IN
EE Ⓗ
CPS V IN
LINE PRO Ⓛ
CPN Y IN
GND
CPN C IN
VIDEO 5V
CPN Y OUT
LINE 2 Ⓛ
CPN C OUT
LINE 1 Ⓛ
EURO AV Ⓗ
IC3201 M52055FP
C3201 16V10
C3202 16V47
C3203 16V10
C3205 16V10
C3204 0.01
R3201 3300
R3202 3300
R3203 3300
IC3203 M51292FP
C3220 16V22
IC3202 VCR0281
R3204 1K
C3206 10V470
C3207 50V1
C3209 10V47
R3205 1K
QR3201 UN2213
R3222 1K
(LINE 1 Ⓛ:OFF)
R3206 1K
QR3207 UN2213
(AV:OFF)
R3207 22K
QR3208 UN2213
(LINE 2 Ⓛ: OFF)
C3208 10V47
R3210 33K
D3201 MA151WK
C3210 16V100
C3211 0.01
C3212 16V100
C3213 0.01
C3218 6V47
C3219 50V1
R3216 2000
L3201 100u
C3216 16V100
C3215 0.01
(BUFFER)
R3211 2200
Q3202 2SB709 (INV.)
Q3201 2SC2295
Q3203 2SD601 (AMP)
R3213 2700
R3208 56K
R3209 2200
R3212 2K
R3214 2200
C3214 16V470
R3215 270
IC3204
C3226 16V10
C3227
IC3205
C3230 0.01
C3231

	(12) LINE 1	(10) LINE 2
LINE 1	L	H
AV	H	H
LINE 2	H	L

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS
IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONL
THE SPECIFIED PARTS.

◀■ AUDIO MAIN SIGNAL PATH IN REC MODE
◁□ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



J3201
CPS V IN 1
PB Ⓗ 12V
AV V IN
TEST Ⓗ
CPN Y IN 1
GND
CPN C IN 1
J3202
CPN C OUT
GND
CPN Y OUT
REG 12V
CPS V OUT
IC3203 M51292FP
IC3204 TA7348P
IC3205 TA7348P
C3203 16V10
C3204 0.01
R3203 3300
C3220 16V22
C3221 16V22
C3222 16V22
C3223 16V22
C3224 16V330
C3225 0.01
C3226 16V10
C3227 16V10
C3228 16V10
C3229 16V47
C3217 16V47
C3230 0.01
C3231 0.01
C3232 0.01
C3233 16V47
C3234 10P
C3235 10P
R3221 22
L3202 100µ
SUB INPUT/OUTPUT PACK C.B.A. (VEP03781A)
P3903
P3904
PACK PIN (TO LUMI.&CHRO.MAIN)
P3901 (TO SYSTEM CONTROL)
P6006-1 EDIT CTL DATA
P6006-2 EDIT CTL CLK
P6006-3 SYSTEM CTL 5V
P6006-4 GND
P6006-6 CLK-13
P3902 (TO AUDIO MAIN)
P4007-1 AV IN CH1
P4007-2 AUDIO GND
P4007-3 AV IN CH2
P4007-4 AUDIO GND
P4007-5 AV OUT CH1
P4007-6 V EE Ⓗ
P4007-7 AV OUT CH2
P4007-8 SW EE Ⓗ
J3901 EDITING CONTROL
SW3901 VSS0162
SERCH WITH SOUND
OFF
ON
TEST(RIGHT)
ON OFF (LEFT)
J3902 S-VIDEO IN
J3903 S-VIDEO OUT
J3904 VIDEO IN
J3905 VIDEO OUT
J3906 VJS1470
SW3902 VES0111
EURO AV OUTPUT SELECT SW
NOR
Y/C
R3909 82
R3910 82
R3911 75
R3912 75
R3913 75
R3914 75
R3915 75
R3916 75
R3917 75
R3901 220
R3902 470
R3903 470
R3904 2200
R3905 2200
R3906 220
R3907 470
R3908 470
L3901 1m
L3902 1m
C3901 6800P
C3902 0.018
C3903 100P
C3904 100P
C3905 6800P
C3906 0.018
(NV-V8000B/EB ONLY)
(NV-V8000EG ONLY)
AV.21 PIN
21 GND
20 VIDEO IN
19 VIDEO OUT/Y
18 GND
17 GND
15 -/C
13 GND
8 PB +12V
6 AUDIO IN CH1
4 AUDIO GND
3 AUDIO OUT CH1
2 AUDIO IN CH2
1 AUDIO OUT CH2
INPUT/OUTPUT PACK C.B.A.
(VEP03780A:NV-V8000EG)
(VEP03780C:NV-V8000B)
(VEP03780B:NV-V8000EB)

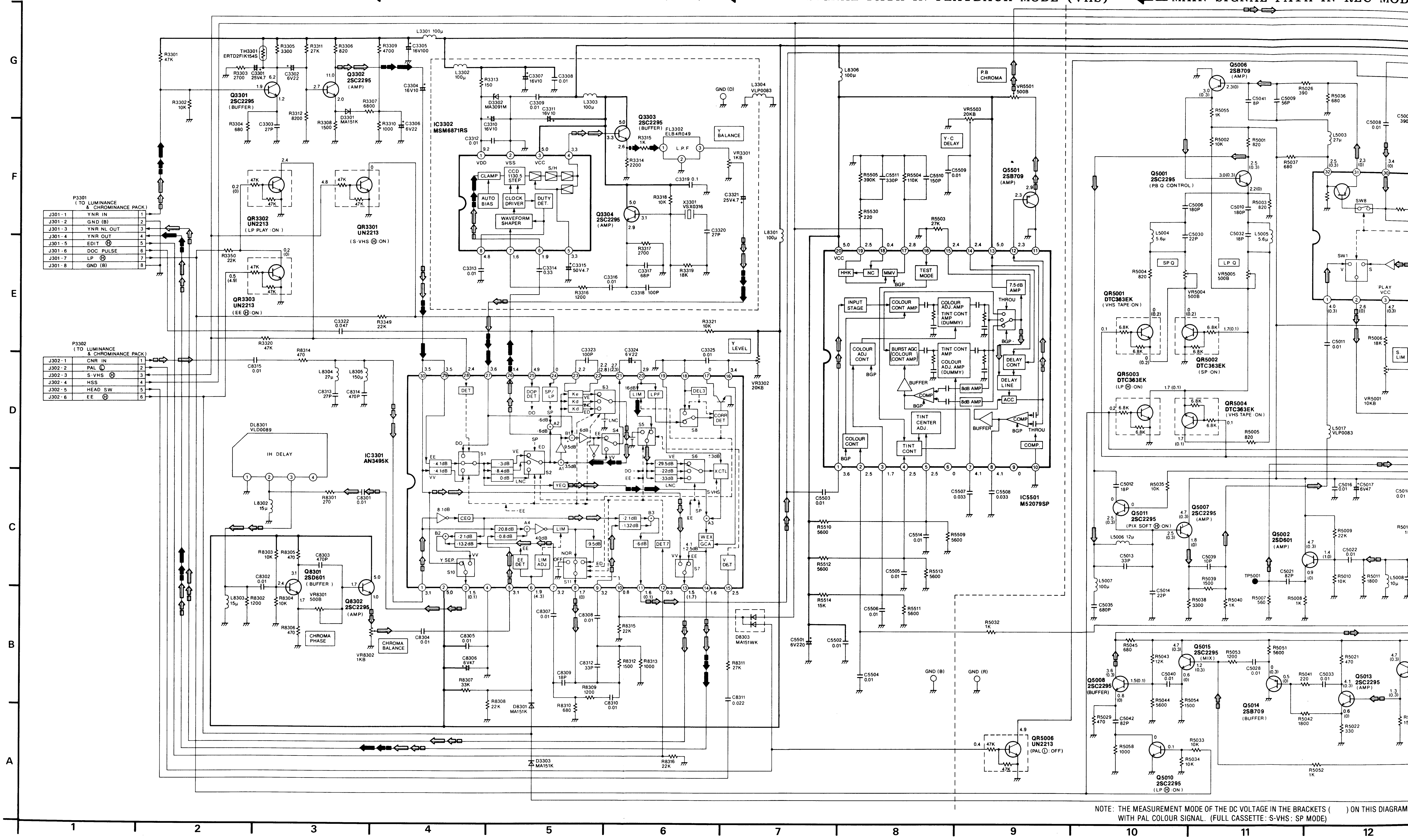
PORTANT SAFETY NOTICE:
MPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS
ORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY
E SPECIFIED PARTS.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-33. HQ PACK SCHEMATIC DIAGRAM

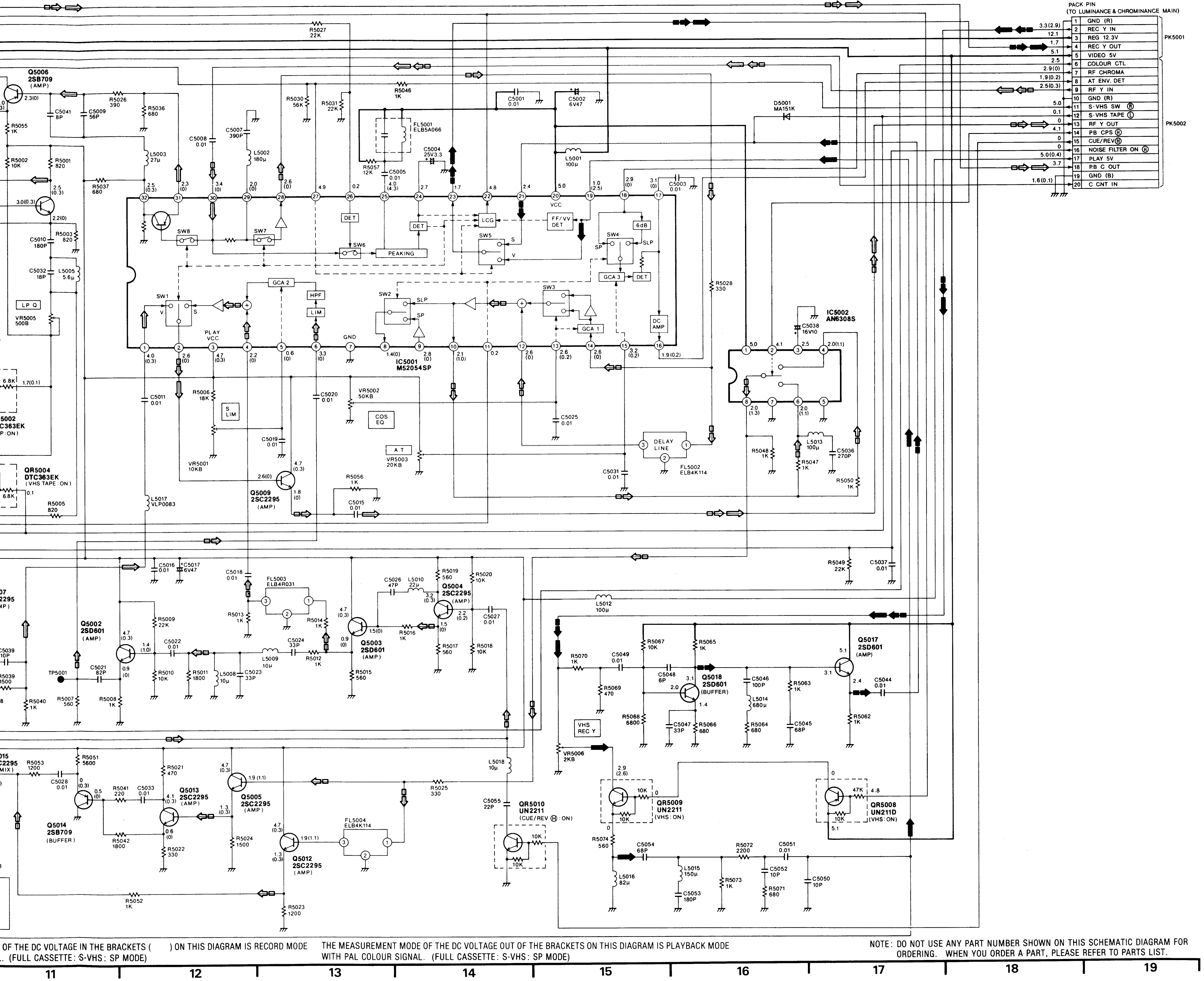
MAIN SIGNAL PATH IN REC MODE (VHS) MAIN SIGNAL PATH IN PLAYBACK MODE (VHS) MAIN SIGNAL PATH IN REC MOD


G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
P3301 (TO LUMINANCE & CHROMINANCE PACK)
J301-1 YNR IN 1
J301-2 GND (B) 2
J301-3 YNR NL OUT 3
J301-4 YNR OUT 4
J301-5 EDIT Ⓗ 5
J301-6 DOC PULSE 6
J301-7 LP Ⓗ 7
J301-8 GND (B) 8
P3302 (TO LUMINANCE & CHROMINANCE PACK)
J302-1 CNR IN 1
J302-2 PAL Ⓛ 2
J302-3 S-VHS Ⓗ 3
J302-4 HSS 4
J302-5 HEAD SW 5
J302-6 EE Ⓗ 6
Q3301 2SC2295 (BUFFER)
Q3302 2SC2295 (AMP)
Q3303 2SC2295 (BUFFER)
Q3304 2SC2295 (AMP)
QR3301 UN2213 (S-VHS Ⓗ:ON)
QR3302 UN2213 (LP PLAY:ON)
QR3303 UN2213 (EE Ⓗ:ON)
IC3302 MSM6871RS
IC3301 AN3495K
DL8301 VLD0089
IH DELAY
Q8301 2SD601 (BUFFER)
Q8302 2SC2295 (AMP)
CHROMA PHASE
CHROMA BALANCE
D3303 MA151K
D8303 MA151WK
D8301 MA151K
FL3302 ELB4R049
L.P.F
X3301 VSX0316
Y BALANCE
Y LEVEL
P.B CHROMA
Y-C DELAY
VR5501 500B
VR5503 20KB
Q5501 2SB709 (AMP)
IC5501 M52079SP
QR5006 UN2213 (PAL Ⓛ:OFF)
GND (D)
GND (B)
GND (R)
Q5006 2SB709 (AMP)
Q5001 2SC2295 (PB Q CONTROL)
QR5001 DTC363EK (VHS TAPE:ON)
QR5002 DTC363EK (SP:ON)
QR5003 DTC363EK (LP Ⓗ:ON)
QR5004 DTC363EK (VHS TAPE:ON)
SP Q
LP Q
Q5011 2SC2295 (PIX SOFT Ⓗ:ON)
Q5007 2SC2295 (AMP)
Q5002 2SD601 (AMP)
Q5008 2SC2295 (BUFFER)
Q5015 2SC2295 (MIX)
Q5014 2SB709 (BUFFER)
Q5013 2SC2295 (AMP)
Q5010 2SC2295 (LP Ⓗ:ON)
TP5001
SW1
SW8
PLAY VCC

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM
WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

Back Page:
INPUT/OUTPUT Section

SIGNAL PATH IN REC MODE (S-VHS) ⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)



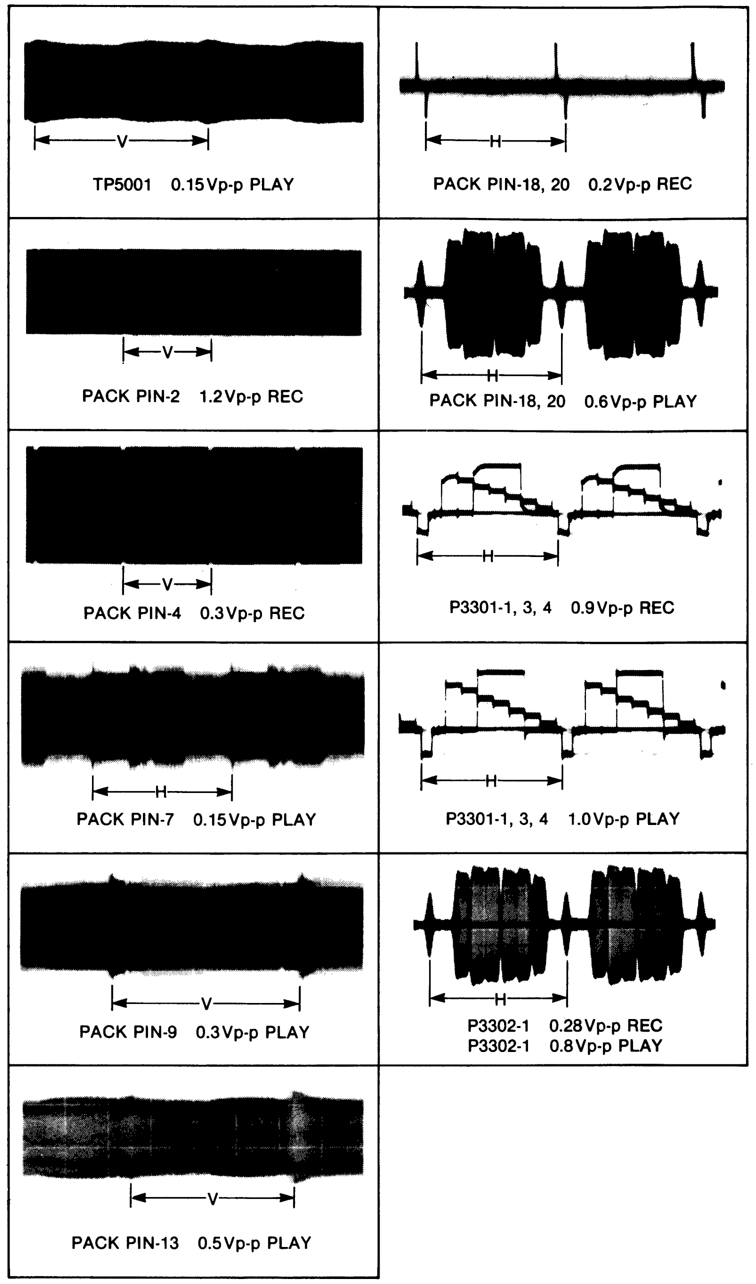
PACK PIN
(TO LUMINANCE & CHROMINANCE MAIN)
1 GND (R)
2 REC Y IN
3 REG 12.3V
4 REC Y OUT
5 VIDEO 5V
6 COLOUR CTL
7 RF CHROMA
8 AT ENV. DET
9 RF Y IN
10 GND (R)
11 S-VHS SW Ⓗ
12 S-VHS TAPE Ⓛ
13 RF Y OUT
14 PB CPS Ⓗ
15 CUE/REV Ⓗ
16 NOISE FILTER ON Ⓗ
17 PLAY 5V
18 P.B C OUT
19 GND (B)
20 C CNT IN
PK5001
PK5002
3.3(2.9)
12.1
1.7
5.1
2.5
2.9(0)
1.9(0.2)
2.5(0.3)
5.0
0.1
0
4.1
0
0
5.0(0.4)
3.7
1.6(0.1)
IC5001 M52054SP
IC5002 AN6308S
Q5006 2SB709 (AMP)
Q5009 2SC2295 (AMP)
Q5002 2SD601 (AMP)
Q5003 2SD601 (AMP)
Q5004 2SC2295 (AMP)
Q5013 2SC2295 (AMP)
Q5005 2SC2295 (AMP)
Q5012 2SC2295 (AMP)
Q5014 2SB709 (BUFFER)
Q5017 2SD601 (AMP)
Q5018 2SD601 (BUFFER)
QR5004 DTC363EK (VHS TAPE : ON)
QR5010 UN2211 (CUE/REV Ⓗ : ON)
QR5009 UN2211 (VHS : ON)
QR5008 UN211D (VHS : ON)
D5001 MA151K
FL5001 ELB5A066
FL5002 ELB4K114
FL5003 ELB4R031
FL5004 ELB4K114
VR5001 10KB
VR5002 50KB
VR5003 20KB
VR5005 500B
VR5006 2KB
L5017 VLP0083
TP5001
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
GCA 1
GCA 2
GCA 3
DET
LCG
FF/VV DET
PEAKING
HPF
LIM
DC AMP
6dB
S LIM
COS EQ
A T
DELAY LINE
VHS REC Y
PLAY VCC
VCC
GND
SLP
SP
LP Q
11
12
13
14
15
16
17
18
19

OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE
.. (FULL CASSETTE: S-VHS: SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

WAVEFORM OF HQ PACK



TP5001 0.15Vp-p PLAY

PACK PIN-18, 20 0.2Vp-p REC

PACK PIN-2 1.2Vp-p REC

PACK PIN-18, 20 0.6Vp-p PLAY

PACK PIN-4 0.3Vp-p REC

P3301-1, 3, 4 0.9Vp-p REC

PACK PIN-7 0.15Vp-p PLAY

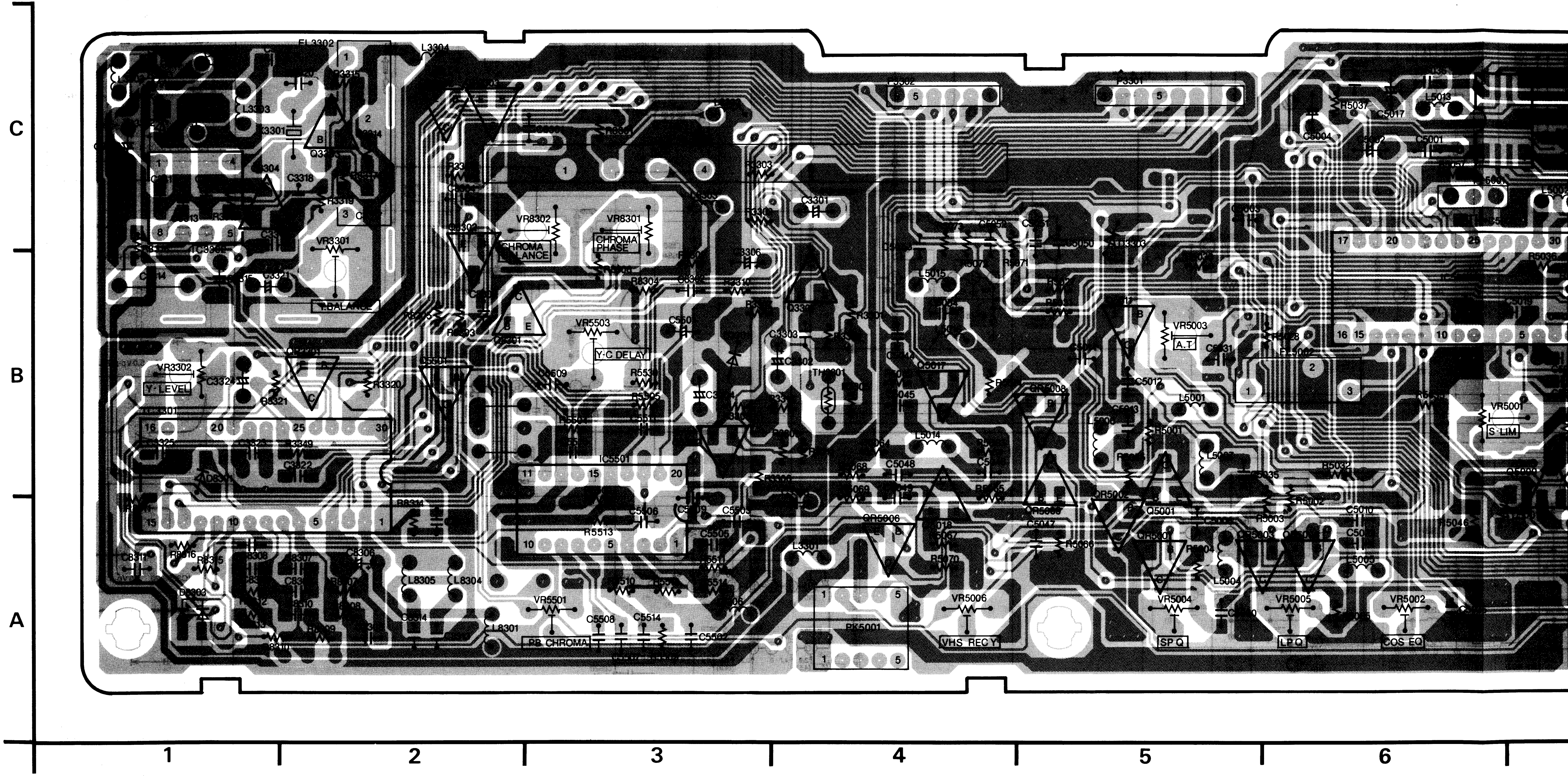
P3301-1, 3, 4 1.0Vp-p PLAY

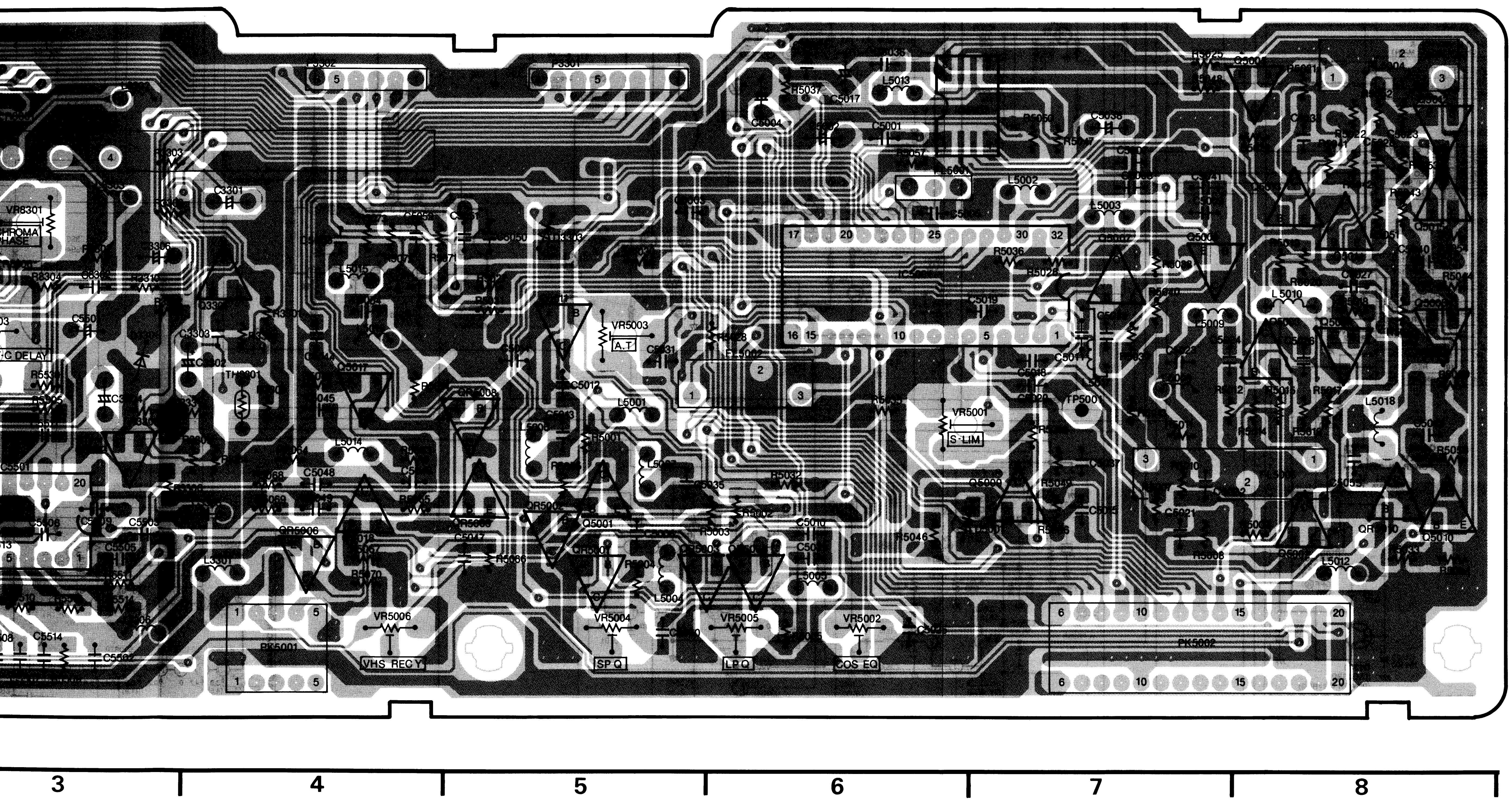
PACK PIN-9 0.3Vp-p PLAY

P3302-1 0.28Vp-p REC
P3302-1 0.8Vp-p PLAY

PACK PIN-13 0.5Vp-p PLAY

3-34. HQ PACK C.B.A. (VEP03775A)


C
B
A
1
2
3
4
5
6
CHROMA BALANCE
CHROMA PHASE
VR8302
VR8301
VR3301
BALANCE
VR3302
Y·LEVEL
VR5503
Y·C DELAY
IC5501
VR5501
PB CHROMA
VR5006
VHS REC Y
PK5001
VR5003
A.T
VR5004
SP Q
VR5005
LP Q
VR5002
COS EQ
VR5001
S·LIM
P3302
P3301
TH3301
L3304
L3303
L8305
L8304
L8301
L5014
L5015
L5001
L5003
L5013
C5017
C5001
C5004
R5037
R3319
C3318
C3324
R3320
R3321
C3322
C3323
R3349
C8311
D8303
C3314
C5508
C5514
C5506
R5513
C5509
R5530
C3301
C3303
C3302
C3306
R8304
C5048
C5047
C5045
R5070
QR5006
QR5008
QR5002
Q5001
R5003
R5002
R5004
R5032
R5036
R5046
C5010
C5012
R5001
C5031


P3302
P3301
VR8301
CHROMA PHASE
C DELAY
C3301
C3303
TH3301
L5015
L5014
C5048
L5001
L5002
L5013
L5003
L5009
L5010
L5018
L5012
L5004
L5005
C5017
C5004
C5001
C5019
C5012
C5047
C5031
C5021
C5027
R5037
R5036
R5028
R5046
R5003
R5002
R5004
R5086
R5001
Q5017
Q5001
Q5009
Q5010
QR5006
QR5005
QR5001
QR5003
QR5008
QR5002
VR5003
A.T
VR5001
S-LIM
TP5001
VR5006
VHS REC Y
VR5004
SP Q
VR5005
LP Q
VR5002
COS EQ
PK5001
PK5002
17
20
25
30
32
16
15
10
5
1
2
3
6
20
3
4
5
6
7
8

HQ PACK C.B.A.	
Transistor	
Q3301	B-4
Q3302	B-3
Q3303	C-2
Q3304	C-1
Q5001	B-5
Q5002	A-8
Q5003	B-8
Q5004	B-8
Q5005	C-8
Q5006	B-7
Q5007	B-7
Q5008	B-8
Q5009	B-7
Q5010	A-8
Q5011	B-5
Q5012	C-8
Q5013	C-8
Q5014	C-8
Q5015	C-8
Q5017	B-4
Q5018	A-4
Q5501	B-2
Q8301	B-2
Q8302	C-2
Transistor & Resistor	
QR3301	B-2
QR3302	C-2
QR3303	C-2
QR5001	A-5
QR5002	A-5
QR5003	A-6
QR5004	A-6
QR5006	A-4
QR5008	B-5
QR5009	B-5
Integrated Circuit	
IC3301	B-1
IC3302	C-1
IC5001	B-6
IC5002	C-7
IC5501	B-3
Test Point	
TP5001	B-7
Adjustment	
VR3301	B-2
VR3302	B-1
VR5001	B-6
VR5002	A-6
VR5003	B-5
VR5004	A-5
VR5005	A-6
VR5006	A-4
VR5501	A-3
VR5503	B-3
VR8301	C-3
VR8302	C-3
Connector	
P3301	C-5
P3302	C-4
PK5001	A-4
PK5002	A-7

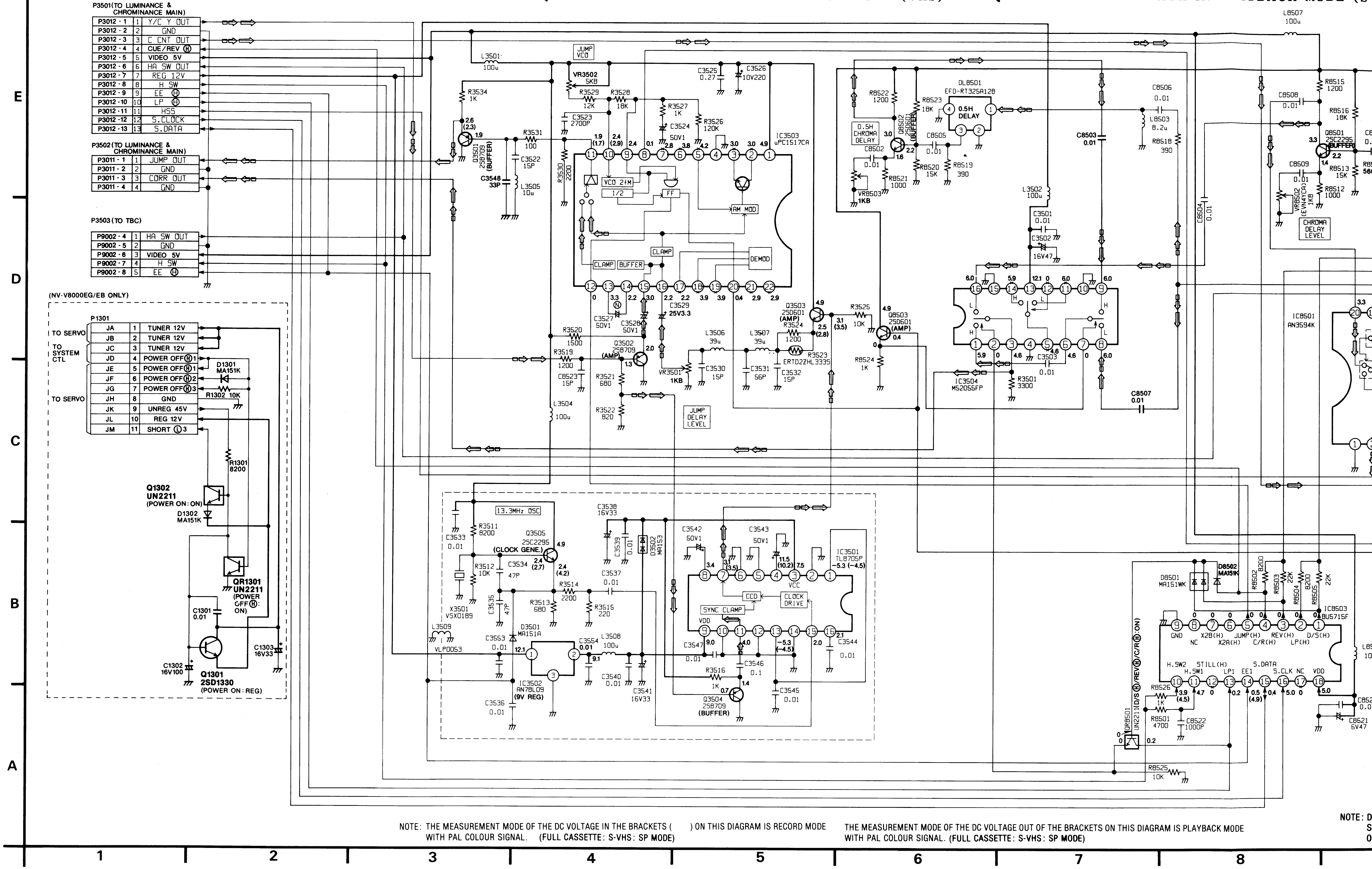
ADDRESS INFORMATION

Next Page:
JUMPING CORRECTION Section

3-35. JUMPING CORRECTION SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

MAIN SIGNAL PATH IN PLAYBACK MODE (S-

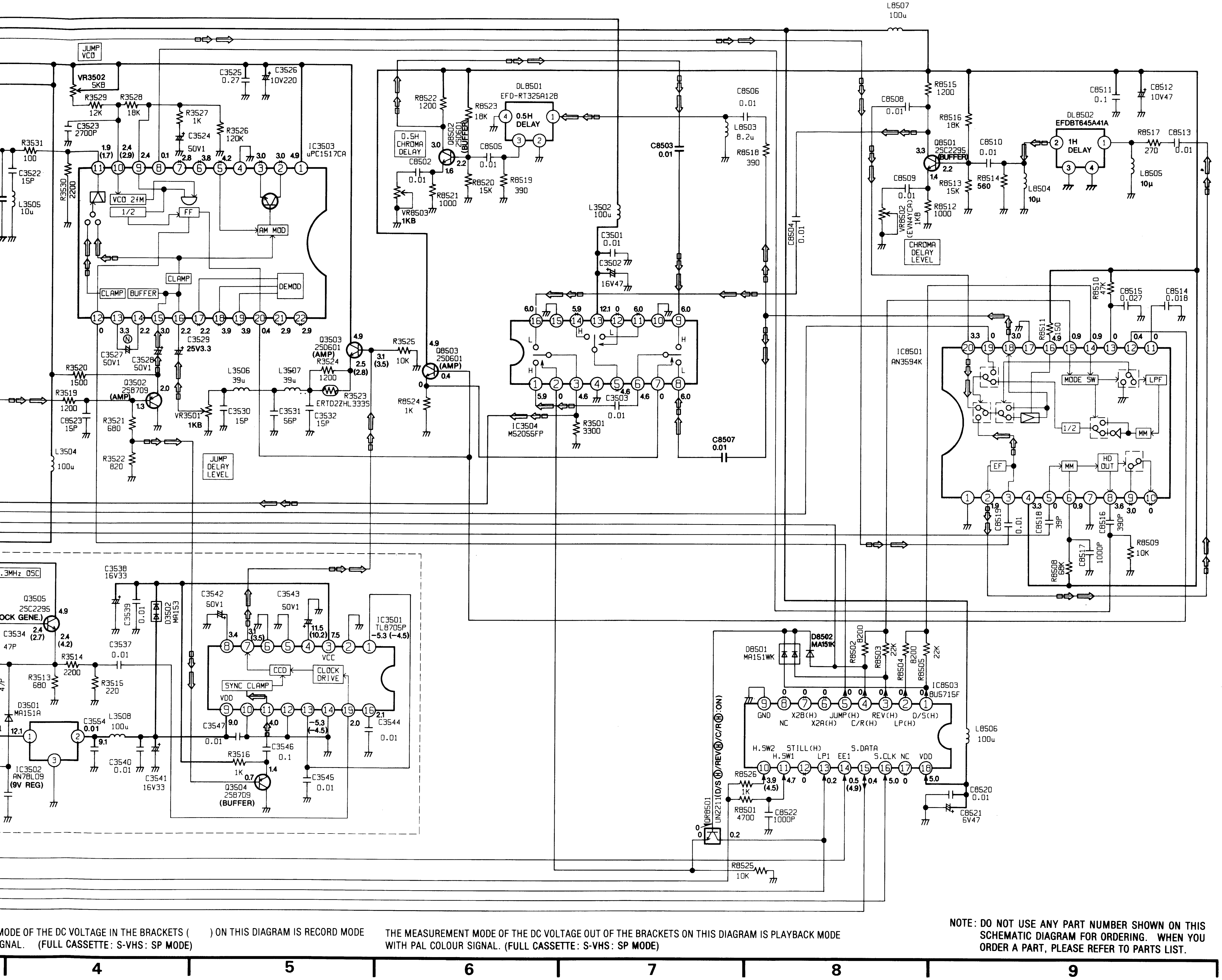

P3501(TO LUMINANCE & CHROMINANCE MAIN)
P3012-1 1 Y/C Y OUT
P3012-2 2 GND
P3012-3 3 C CNT OUT
P3012-4 4 CUE/REV Ⓗ
P3012-5 5 VIDEO 5V
P3012-6 6 HA SW OUT
P3012-7 7 REG 12V
P3012-8 8 H SW
P3012-9 9 EE Ⓗ
P3012-10 10 LP Ⓗ
P3012-11 11 HSS
P3012-12 12 S.CLOCK
P3012-13 13 S.DATA
P3502(TO LUMINANCE & CHROMINANCE MAIN)
P3011-1 1 JUMP OUT
P3011-2 2 GND
P3011-3 3 CORR OUT
P3011-4 4 GND
P3503(TO TBC)
P9002-4 1 HA SW OUT
P9002-5 2 GND
P9002-6 3 VIDEO 5V
P9002-7 4 H SW
P9002-8 5 EE Ⓗ
(NV-V8000EG/EB ONLY)
P1301
TO SERVO
TO SYSTEM CTL
TO SERVO
JA 1 TUNER 12V
JB 2 TUNER 12V
JC 3 TUNER 12V
JD 4 POWER OFFⒽ1
JE 5 POWER OFFⒽ1
JF 6 POWER OFFⒽ2
JG 7 POWER OFFⒽ3
JH 8 GND
JK 9 UNREG 45V
JL 10 REG 12V
JM 11 SHORT Ⓛ3
D1301 MA151K
R1302 10K
R1301 8200
Q1302 UN2211 (POWER ON: ON)
D1302 MA151K
QR1301 UN2211 (POWER OFF Ⓗ: ON)
C1301 0.01
C1302 16V100
C1303 16V33
Q1301 2SD1330 (POWER ON: REG)
L3501 100u
JUMP VCO
VR3502 5KB
R3534 1K
Q3501 2SB709 (BUFFER)
R3531 100
C3522 15P
C3548 33P
L3505 10u
R3529 12K
R3528 18K
R3527 1K
C3523 2700P
C3524 50V1
R3526 120K
C3525 0.27
C3526 10V220
R3530 2200
IC3503 uPC1517CA
VCO 2fH
1/2
FF
AM MOD
CLAMP
BUFFER
DEMOD
C3527 50V1
C3528 50V1
C3529 25V3.3
R3520 1500
R3519 1200
C8523 15P
Q3502 2SB709 (AMP)
R3521 680
R3522 820
L3504 100u
VR3501 1KB
L3506 39u
C3530 15P
L3507 39u
C3531 56P
C3532 15P
R3524 1200
R3523 ERTD2ZHL333S
Q3503 2SD601 (AMP)
R3525 10K
Q8503 2SD601 (AMP)
R8524 1K
JUMP DELAY LEVEL
13.3MHz OSC
R3511 8200
C3533 0.01
Q3505 2SC2295 (CLOCK GENE.)
R3512 10K
C3534 47P
X3501 VSX0189
C3535 47P
R3513 680
R3514 2200
R3515 220
C3537 0.01
C3538 16V33
C3539 0.01
D3502 MA153
L3509 VLP0053
C3553 0.01
D3501 MA151A
IC3502 AN78L09 (9V REG)
C3536 0.01
C3554 0.01
L3508 100u
C3540 0.01
C3541 16V33
C3542 50V1
C3543 50V1
IC3501 TL8705P
CCD
CLOCK DRIVE
SYNC CLAMP
VCC
VDD
C3547 0.01
C3546 0.1
C3544 0.01
R3516 1K
C3545 0.01
Q3504 2SB709 (BUFFER)
L8507 100u
R8522 1200
R8523 18K
DL8501 EFD-RT325A128
0.5H DELAY
0.5H CHROMA DELAY
Q8502 2SC1685 (BUFFER)
C8502 0.01
C8505 0.01
R8520 15K
R8519 390
R8521 1000
VR8503 1KB
C8503 0.01
C8506 0.01
L8503 8.2u
R8518 390
L3502 100u
C3501 0.01
C3502 16V47
C8504 0.01
IC3504 M52055FP
C3503 0.01
R3501 3300
C8507 0.01
C8508 0.01
R8515 1200
R8516 18K
Q8501 2SC2295 (BUFFER)
C8509 0.01
VR8502 (EVN4YCA) 1KB
R8513 15K
R8512 1000
CHROMA DELAY LEVEL
IC8501 AN3594K
D8501 MA151WK
D8502 MA151K
R8502 8200
R8503 22K
R8504 8200
R8505 22K
IC8503 BU5715F
GND NC X2B(H) X2A(H) JUMP(H) C/R(H) REV(H) LP(H) D/S(H)
H.SW2 H.SW1 STILL(H) LP1 EE1 S.DATA S.CLK NC VDD
R8526 1K
R8501 4700
C8522 1000P
QR8501 UN2211(D/S Ⓗ/REV Ⓗ/C/R Ⓗ ON)
R8525 10K
C8521 6V47
E
D
C
B
A
1
2
3
4
5
6
7
8

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: D

⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (VHS) ⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

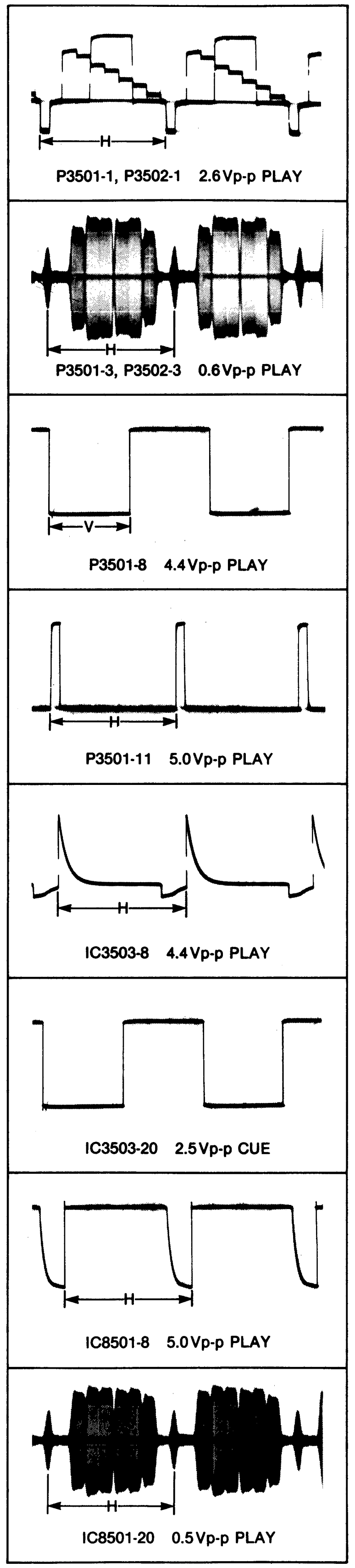

JUMP VCO
VR3502 5KB
IC3503 uPC1517CA
VCO 2fH
1/2
FF
AM MOD
CLAMP
BUFFER
DEMOD
Q3503 2SD601 (AMP)
Q8503 2SD601 (AMP)
Q3502 2SB709 (AMP)
VR3501 1KB
JUMP DELAY LEVEL
DL8501 EFD-RT325A12B
0.5H DELAY
0.5H CHROMA DELAY
Q8502 2SC2295 (BUFFER)
VR8503 1KB
IC3504 M52055FP
L3502 100u
C3501 0.01
C3502 16V47
C8503 0.01
C8506 0.01
L8503 8.2u
R8518 390
C8507 0.01
L8507 100u
DL8502 EFDBT645A41A
1H DELAY
Q8501 2SC2295 (BUFFER)
VR8502 (EVN4YCA) 1KB
CHROMA DELAY LEVEL
IC8501 AN3594K
MODE SW
LPF
1/2
MM
EF
HD OUT
D8501 MA151WK
D8502 MA151K
IC8503 BU5715F
GND X2B(H) JUMP(H) REV(H) D/S(H)
NC X2A(H) C/R(H) LP(H)
H.SW2 STILL(H) S.DATA
H.SW1 LP1 EE1 S.CLK NC VDD
QR8501 UN2211(D/S ⓗ/REV ⓗ/C/R ⓗ ON)
R8525 10K
L8506 100u
C8520 0.01
C8521 6V47
.3MHz OSC
Q3505 2SC2295 (CLOCK GENE.)
D3501 MA151A
IC3502 AN78L09 (9V REG)
D3502 MA153
IC3501 TL8705P
CCD
CLOCK DRIVE
SYNC CLAMP
VDD
VCC
Q3504 2SB709 (BUFFER)
4
5
6
7
8
9

...ODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE
...GNAL. (FULL CASSETTE: S-VHS: SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

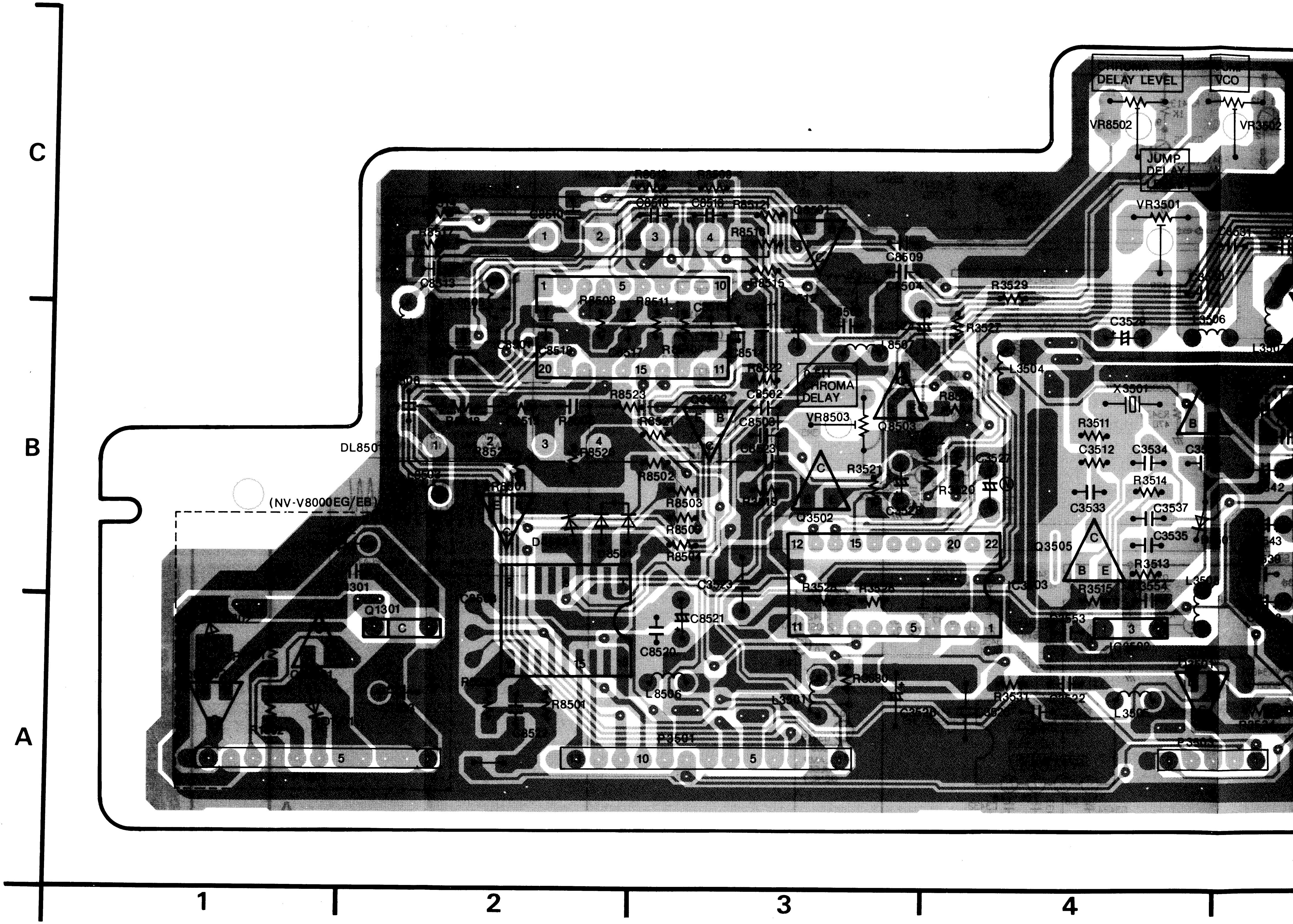
WAVEFORM OF JUMPING CORRECTION (LP MODE)



3-36. JUMPING CORRECTION C.B.A. (VEP03773A: NV-V8000EG/EB) (VEP03773B: NV-V8000B)

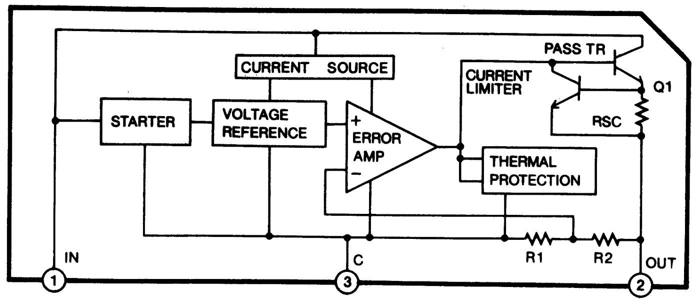
JUMPING CORRECTION C.B.A.	
TRANSISTOR	
Q1301	A-2
Q3501	A-4
Q3502	B-3
Q3503	B-5
Q3504	B-4
Q3505	B-4
Q8501	C-3
Q8502	B-3
Q8503	B-3
Transistor & Resistor	
QR1301	A-1
QR1302	A-1
QR8501	B-2
Integrated Circuit	
IC3501	B-5
IC3502	A-4
IC3503	B-4
IC8501	B-2
IC8503	A-2
Adjustment	
VR3501	C-4
VR3502	C-5
VR8502	C-4
VR8503	B-3
Connector	
P1301	A-1
P3501	A-3
P3502	A-5
P3503	A-4

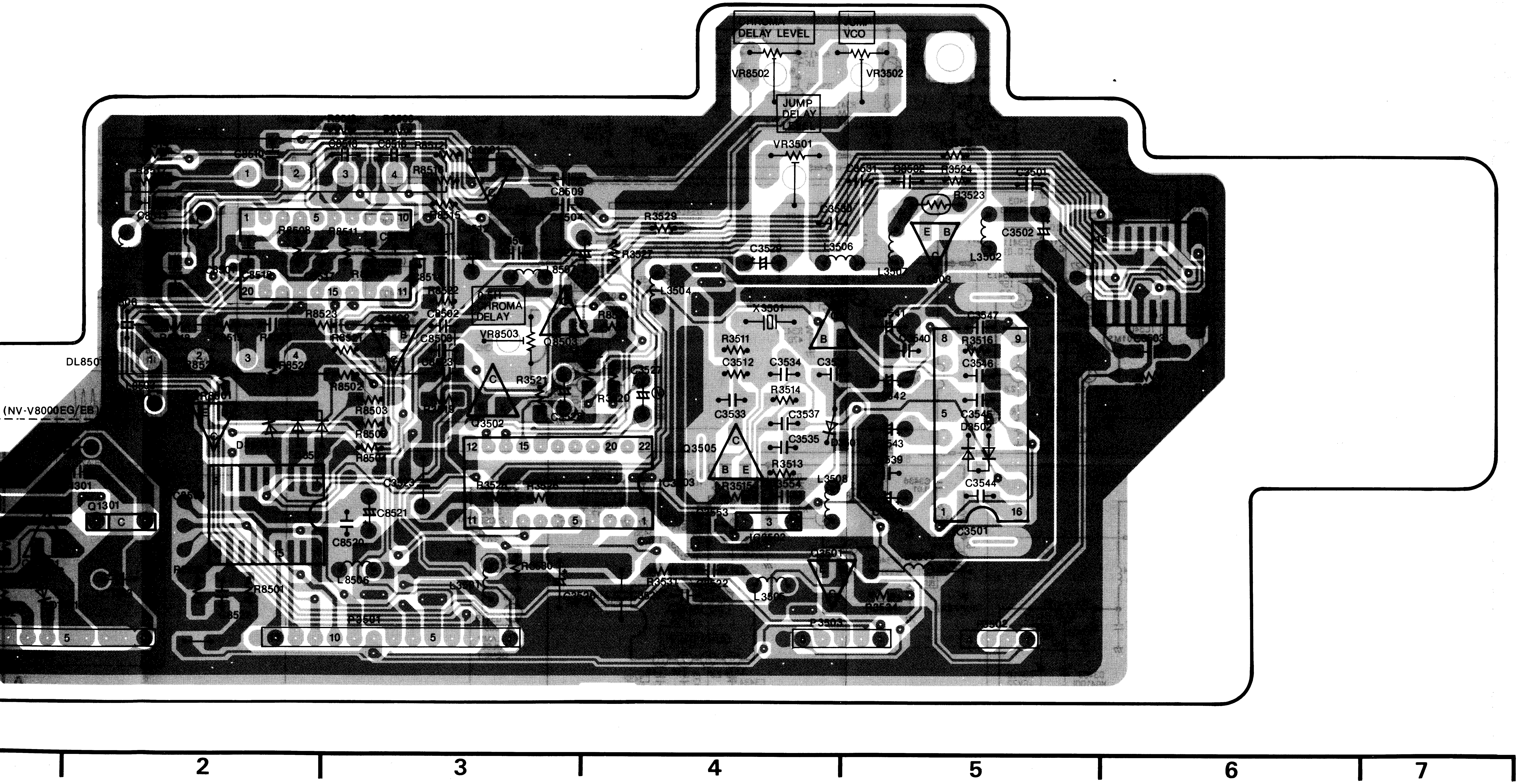
ADDRESS INFORMATION


C
B
A
1
2
3
4
DELAY LEVEL
VCO
VR8502
VR3502
JUMP DELAY
VR3501
CHROMA DELAY
VR8503
Q8503
Q3502
Q3505
IC3503
Q1301
X3501
R3511
C3512
C3534
R3514
C3533
C3537
C3535
R3513
R3515
R3529
C3530
L3504
L8502
R3521
R3520
C3527
C8509
C8504
C8502
C8503
R8523
R8502
R8503
R8509
R8507
C8521
C8520
L8506
R8501
L3501
R3531
P3501
DL8501
(NV-V8000EG/EB)
C8513
R8517
R8508
R8511
R8510
R8515
C8510
C8519
1
5
10
20
15
11
12
22
5

IC BLOCK

IC3502 (AN78L09)


CURRENT SOURCE
PASS TR
CURRENT LIMITER
Q1
STARTER
VOLTAGE REFERENCE
+
ERROR AMP
−
RSC
THERMAL PROTECTION
IN
C
R1
R2
OUT
①
③
②

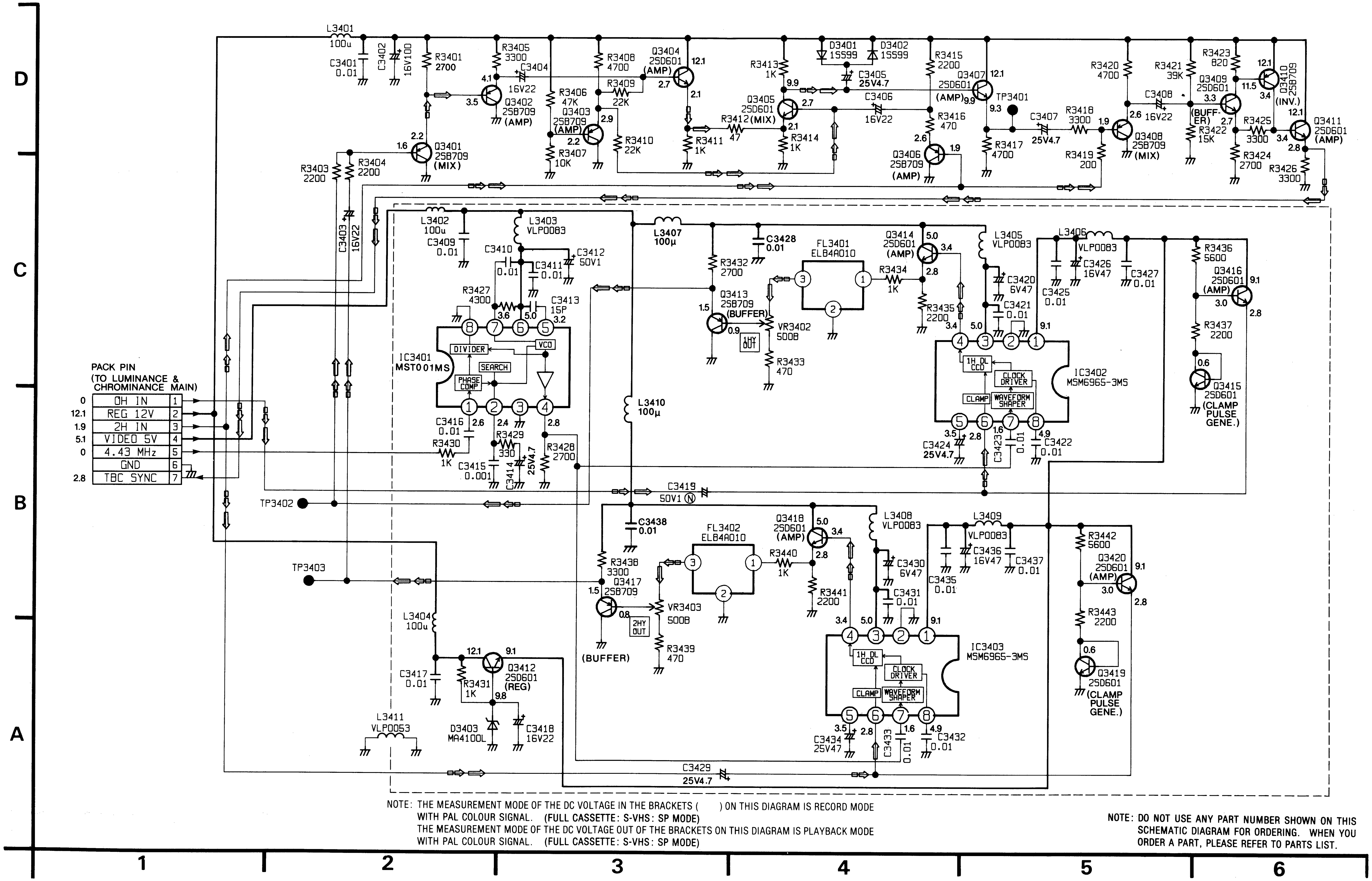

CHROMA DELAY LEVEL
JUMP VCO
VR8502
VR3502
JUMP DELAY LEVEL
VR3501
R3529
R3527
C3528
L3506
L3507
L3502
C3502
C3501
R3523
R3524
C8509
L3504
X3501
R3511
C3512
C3534
R3514
C3533
C3537
C3535
Q3505
R3513
R3515
C3554
L3508
C3553
IC3502
L3505
P3503
P3502
C3501
C3547
R3516
C3546
C3545
D3502
C3544
CHROMA DELAY
VR8503
Q3503
Q3502
R3521
R3520
C3527
R8523
R8502
R8503
R8509
C8521
C8520
L8506
R8501
P3501
Q1301
DL8501
(NV-V8000EG/EB)
C8510
C8515
C8502
C8503
R8511
R8508
R8512
R8515
L8507
2
3
4
5
6
7

Next Page:
TBC SYNC NR Section

3-37. TBC SYNC NOISE REDUCTION PACK SCHEMATIC DIAGRAM

⇦ MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)



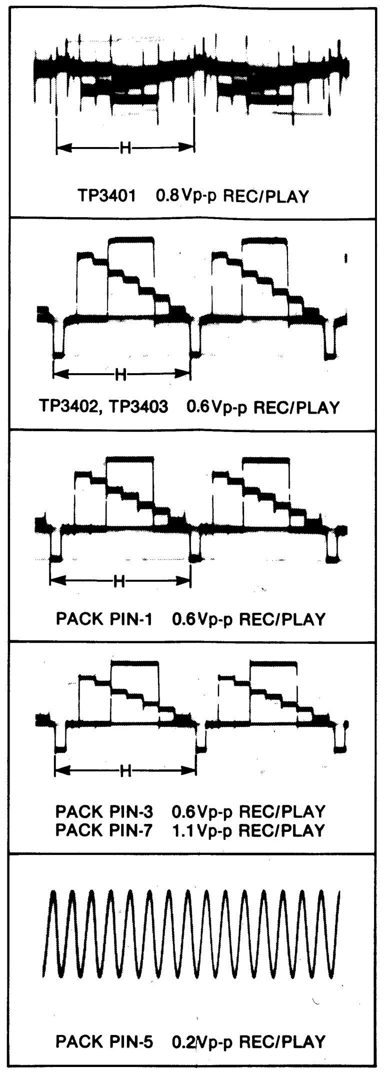
D
C
B
A
1
2
3
4
5
6
PACK PIN
(TO LUMINANCE & CHROMINANCE MAIN)
0 OH IN 1
12.1 REG 12V 2
1.9 2H IN 3
5.1 VIDEO 5V 4
0 4.43 MHz 5
GND 6
2.8 TBC SYNC 7
L3401 100u
C3401 0.01
C3402 16V100
R3401 2700
R3405 3300
C3404 16V22
Q3402 2SB709 (AMP)
R3406 47K
Q3403 2SB709 (AMP)
R3408 4700
R3409 22K
Q3404 2SD601 (AMP)
R3407 10K
R3410 22K
R3411 1K
R3412 (MIX) 47
R3413 1K
Q3405 2SD601
R3414 1K
D3401 1SS99
D3402 1SS99
C3405 25V4.7
C3406 16V22
R3415 2200
Q3407 2SD601 (AMP)
TP3401
R3416 470
Q3406 2SB709 (AMP)
R3417 4700
C3407 25V4.7
R3418 3300
R3419 200
R3420 4700
Q3408 2SB709 (MIX)
R3421 39K
C3408 16V22
Q3409 2SD601 (BUFF-ER)
R3422 15K
R3423 820
Q3410 2SB709 (INV.)
R3425 3300
R3424 2700
R3426 3300
Q3411 2SD601 (AMP)
R3403 2200
R3404 2200
Q3401 2SB709 (MIX)
C3403 16V22
L3402 100u
C3409 0.01
L3403 VLP0083
C3410 0.01
C3411 0.01
C3412 50V1
R3427 4300
C3413 15P
IC3401 MST001MS
DIVIDER
VCO
SEARCH
PHASE COMP
C3416 0.01
R3430 1K
R3429 330
C3415 0.001
C3414 25V4.7
R3428 2700
L3407 100µ
C3428 0.01
R3432 2700
Q3413 2SB709 (BUFFER)
1HY OUT
VR3402 500B
R3433 470
FL3401 ELB4A010
Q3414 2SD601 (AMP)
R3434 1K
R3435 2200
L3405 VLP0083
C3420 6V47
C3421 0.01
1H DL CCD
CLOCK DRIVER
CLAMP
WAVEFORM SHAPER
IC3402 MSM6965-3MS
C3424 25V4.7
C3423 0.01
C3422 0.01
L3406 VLP0083
C3425 0.01
C3426 16V47
C3427 0.01
R3436 5600
Q3416 2SD601 (AMP)
R3437 2200
Q3415 2SD601 (CLAMP PULSE GENE.)
L3410 100µ
C3419 50V1 Ⓝ
TP3402
TP3403
C3438 0.01
R3438 3300
Q3417 2SB709 (BUFFER)
2HY OUT
VR3403 500B
R3439 470
FL3402 ELB4A010
Q3418 2SD601 (AMP)
R3440 1K
R3441 2200
L3408 VLP0083
C3430 6V47
C3431 0.01
IC3403 MSM6965-3MS
C3434 25V47
C3433 0.01
C3432 0.01
L3409 VLP0083
C3435 0.01
C3436 16V47
C3437 0.01
R3442 5600
Q3420 2SD601 (AMP)
R3443 2200
Q3419 2SD601 (CLAMP PULSE GENE.)
L3404 100u
C3417 0.01
R3431 1K
Q3412 2SD601 (REG)
D3403 MA4100L
C3418 16V22
L3411 VLP0053
C3429 25V4.7

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-38.

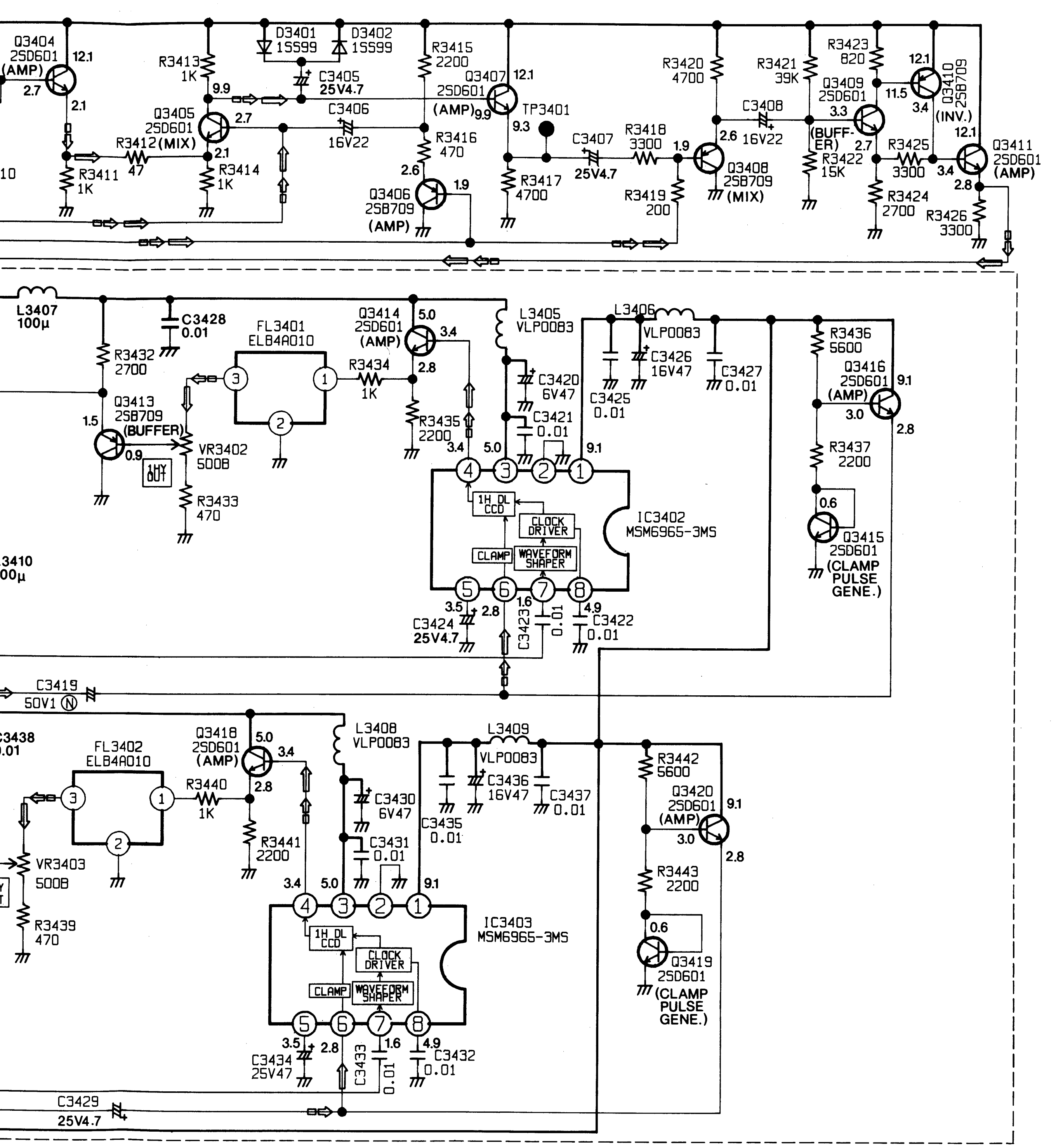
WAVEFORM OF TBC SYNC NOISE REDUCTION PACK



GRAM

HS)

VHS)


Q3404
2SD601
(AMP)
R3411 1K
R3412 (MIX) 47
Q3405 2SD601
R3413 1K
R3414 1K
D3401 1SS99
D3402 1SS99
C3405 25V4.7
C3406 16V22
R3415 2200
R3416 470
Q3406 2SB709 (AMP)
Q3407 2SD601 (AMP)
TP3401
R3417 4700
C3407 25V4.7
R3418 3300
R3419 200
Q3408 2SB709 (MIX)
R3420 4700
C3408 16V22
R3421 39K
R3422 15K
Q3409 2SD601 (BUFF-ER)
R3423 820
R3424 2700
R3425 3300
R3426 3300
Q3410 2SB709 (INV.)
Q3411 2SD601 (AMP)
L3407 100µ
C3428 0.01
R3432 2700
Q3413 2SB709 (BUFFER)
VR3402 500B
1HY OUT
R3433 470
FL3401 ELB4A010
Q3414 2SD601 (AMP)
R3434 1K
R3435 2200
L3405 VLP0083
L3406 VLP0083
C3420 6V47
C3421 0.01
C3425 0.01
C3426 16V47
C3427 0.01
IC3402 MSM6965-3MS
1H DL CCD
CLOCK DRIVER
CLAMP
WAVEFORM SHAPER
C3424 25V4.7
C3423 0.01
C3422 0.01
R3436 5600
Q3416 2SD601 (AMP)
R3437 2200
Q3415 2SD601 (CLAMP PULSE GENE.)
3410
00µ
C3419 50V1
3438
.01
FL3402 ELB4A010
Q3418 2SD601 (AMP)
R3440 1K
R3441 2200
VR3403 500B
R3439 470
L3408 VLP0083
L3409 VLP0083
C3430 6V47
C3431 0.01
C3435 0.01
C3436 16V47
C3437 0.01
IC3403 MSM6965-3MS
1H DL CCD
CLOCK DRIVER
CLAMP
WAVEFORM SHAPER
C3434 25V47
C3433 0.01
C3432 0.01
R3442 5600
Q3420 2SD601 (AMP)
R3443 2200
Q3419 2SD601 (CLAMP PULSE GENE.)
C3429 25V4.7

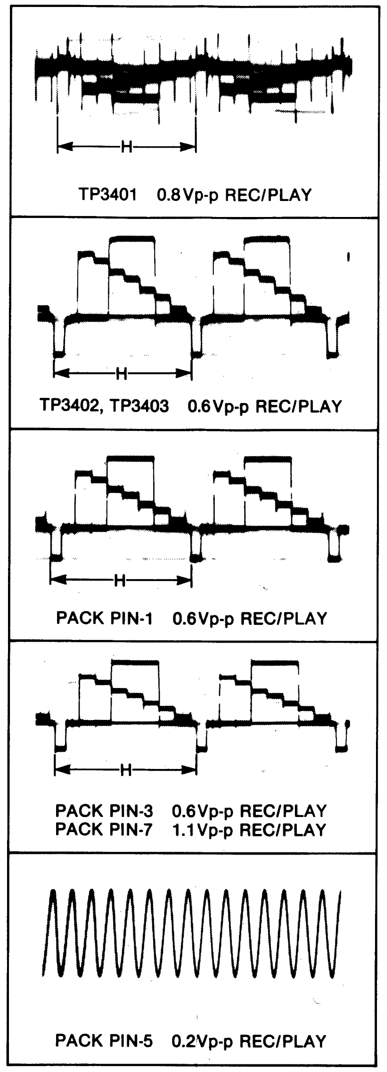
E BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE
S: SP MODE)
F THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE
S: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

4 5 6

3-38. TBC SYNC NOISE REDUCTION PACK C.B.A. (VEP03778A)

WAVEFORM OF TBC SYNC NOISE REDUCTION PACK



TP3401 0.8Vp-p REC/PLAY

TP3402, TP3403 0.6Vp-p REC/PLAY

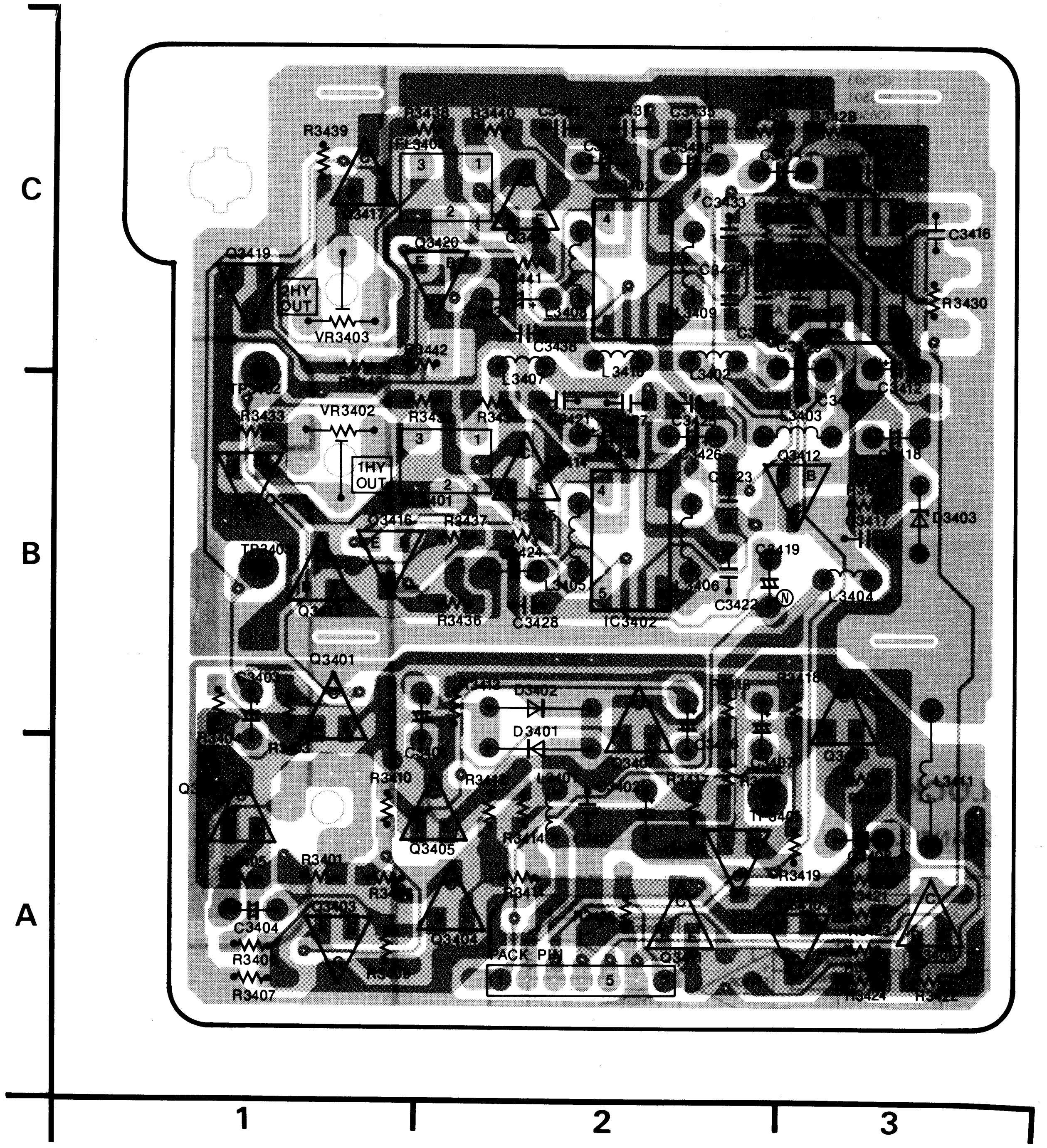
PACK PIN-1 0.6Vp-p REC/PLAY

PACK PIN-3 0.6Vp-p REC/PLAY
PACK PIN-7 1.1Vp-p REC/PLAY

PACK PIN-5 0.2Vp-p REC/PLAY

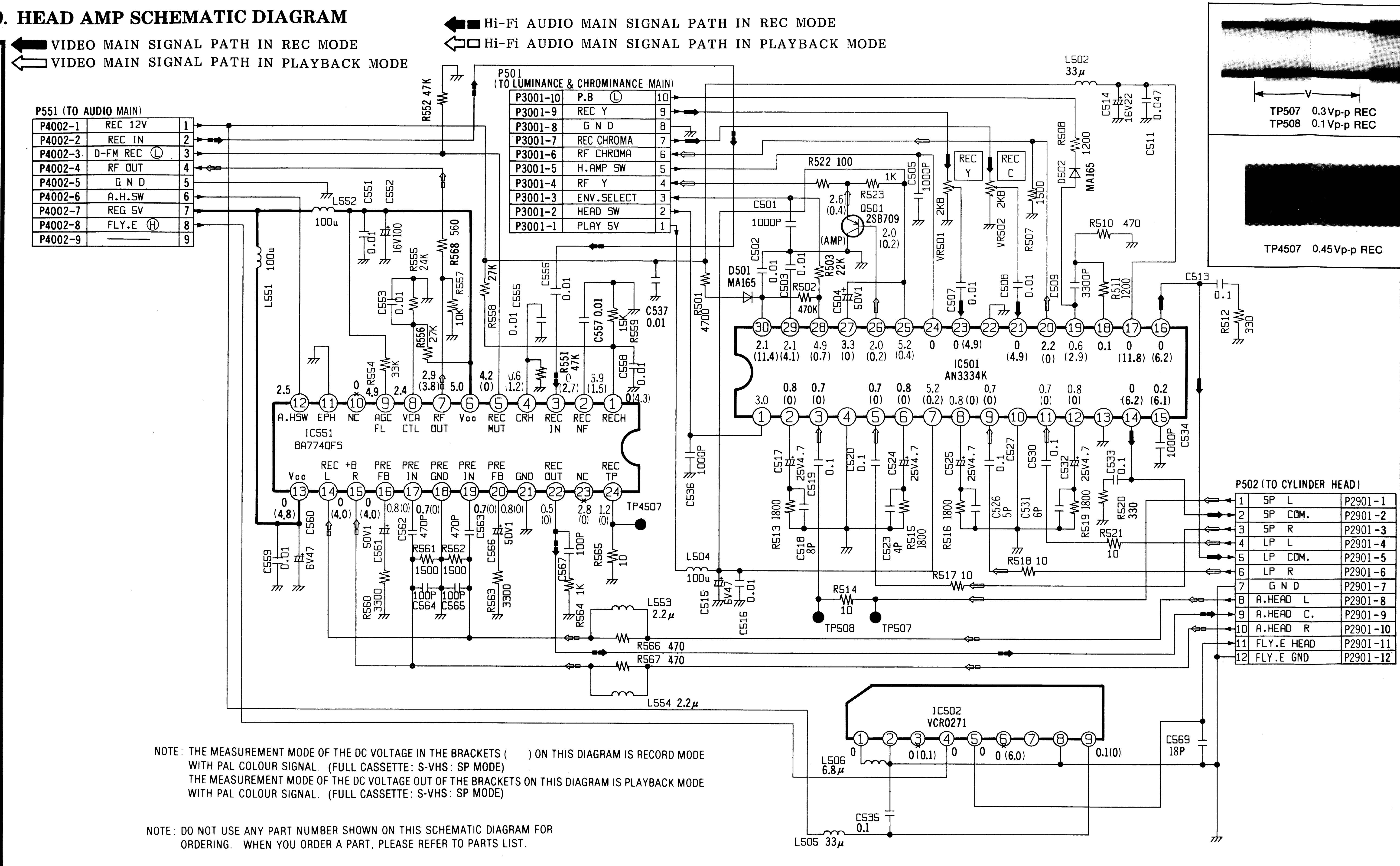
TBC SYNC NOISE REDUCTION PACK C.B.A.			
Transistor		Q3418	C-2
		Q3419	C-1
		Q3420	C-2
Q3401	B-1	**Integrated Circuit**	
Q3402	A-1	IC3401	C-3
Q3403	A-1	IC3402	B-2
Q3404	A-2	IC3403	C-2
Q3405	A-2	**Test Point**	
Q3406	A-2	TP3401	A-2
Q3407	B-2	TP3402	B-1
Q3408	B-3	TP3403	B-1
Q3409	A-3	**Adjustment**	
Q3410	A-3	VR3402	B-1
Q3411	A-2	VR3403	C-1
Q3412	B-3		
Q3413	B-1		
Q3414	B-2		
Q3415	B-1		
Q3416	B-1		
Q3417	C-1		

ADDRESS INFORMATION


C
B
A
1
2
3
R3439
Q3419
2HY OUT
VR3403
Q3420
C3416
R3430
VR3402
1HY OUT
R3433
Q3416
R3437
TP3402
R3436
C3428
IC3402
C3422
Q3412
D3403
L3404
L3407
L3410
Q3401
D3402
D3401
R3410
Q3405
R3401
C3404
R3407
R3419
TP3401
PACK PIN
Q3403
Q3404
R3424
R3422
R3418

3-39. HEAD AMP SCHEMATIC DIAGRAM

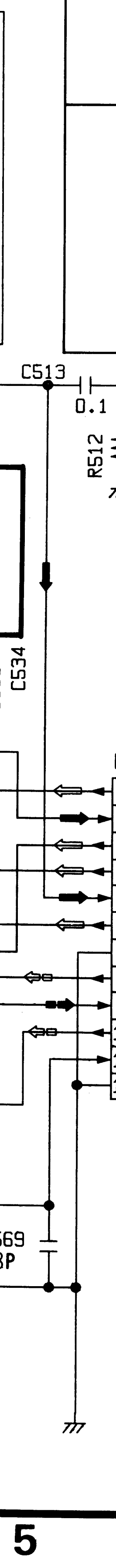
VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE
Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



P551 (TO AUDIO MAIN)
P4002-1 REC 12V 1
P4002-2 REC IN 2
P4002-3 D-FM REC Ⓛ 3
P4002-4 RF OUT 4
P4002-5 GND 5
P4002-6 A.H.SW 6
P4002-7 REG 5V 7
P4002-8 FLY.E Ⓗ 8
P4002-9 9
P501 (TO LUMINANCE & CHROMINANCE MAIN)
P3001-10 P.B Ⓛ 10
P3001-9 REC Y 9
P3001-8 GND 8
P3001-7 REC CHROMA 7
P3001-6 RF CHROMA 6
P3001-5 H.AMP SW 5
P3001-4 RF Y 4
P3001-3 ENV.SELECT 3
P3001-2 HEAD SW 2
P3001-1 PLAY 5V 1
R552 47K
L552 100u
C551 0.01
C552 16V100
L551 100u
R555 24K
R568 560
R557 10K
C553 0.01
R556 27K
R554 33K
R558 27K
C555 0.01
C556 0.01
R551 47K
C557 0.01
R559 15K
C537 0.01
C558 0.01
IC551
BA7740FS
A.HSW EPH NC AGC FL VCA CTL RF OUT Vcc REC MUT CRH REC IN REC NF RECH
Vcc REC L +B R PRE FB PRE IN PRE GND PRE IN PRE FB GND REC OUT NC REC TP
TP4507
C559 0.01
C560 6V47
C561 50V1
C562 470P
R560 3300
R561 1500
R562 1500
C564 100P
C565 100P
C563 470P
C566 50V1
R563 3300
C567 100P
R564 1K
R565 10
L553 2.2μ
R566 470
R567 470
L554 2.2μ
R522 100
C501 1000P
Q501 2SB709 (AMP)
R523 1K
C505 1000P
C502 0.01
C503 0.01
R502 470K
R503 22K
D501 MA165
C504 50V1
R501 4700
C536 1000P
L504 100u
C515 6V47
C516 0.01
REC Y
REC C
VR501 2KB
VR502 2KB
R507 1500
D502 MA165
R508 1200
C507 0.01
C508 0.01
C509 3300P
R510 470
R511 1200
L502 33μ
C514 16V22
C511 0.047
C513 0.1
R512 330
IC501
AN3334K
C517 25V4.7
C519 0.1
C520 0.1
C524 25V4.7
C525 25V4.7
C527 0.1
C530 0.1
C532 25V4.7
C533 0.1
C534 1000P
R513 1800
C518 8P
C523 4P
R515 1800
R516 1800
C526 5P
C531 6P
R519 1800
R520 330
R521 10
R518 10
R517 10
R514 10
TP508
TP507
P502 (TO CYLINDER HEAD)
1 SP L P2901-1
2 SP COM. P2901-2
3 SP R P2901-3
4 LP L P2901-4
5 LP COM. P2901-5
6 LP R P2901-6
7 GND P2901-7
8 A.HEAD L P2901-8
9 A.HEAD C. P2901-9
10 A.HEAD R P2901-10
11 FLY.E HEAD P2901-11
12 FLY.E GND P2901-12
IC502
VCR0271
L506 6.8μ
C535 0.1
L505 33μ
C569 18P
TP507 0.3Vp-p REC
TP508 0.1Vp-p REC
TP4507 0.45Vp-p REC
V
A B C
1 2 3 4 5 6

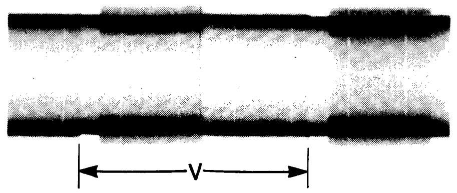
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.


C513
0.1
R512
330
C534
569
3P
5
6

P502 (TO CYLINDER HEAD)

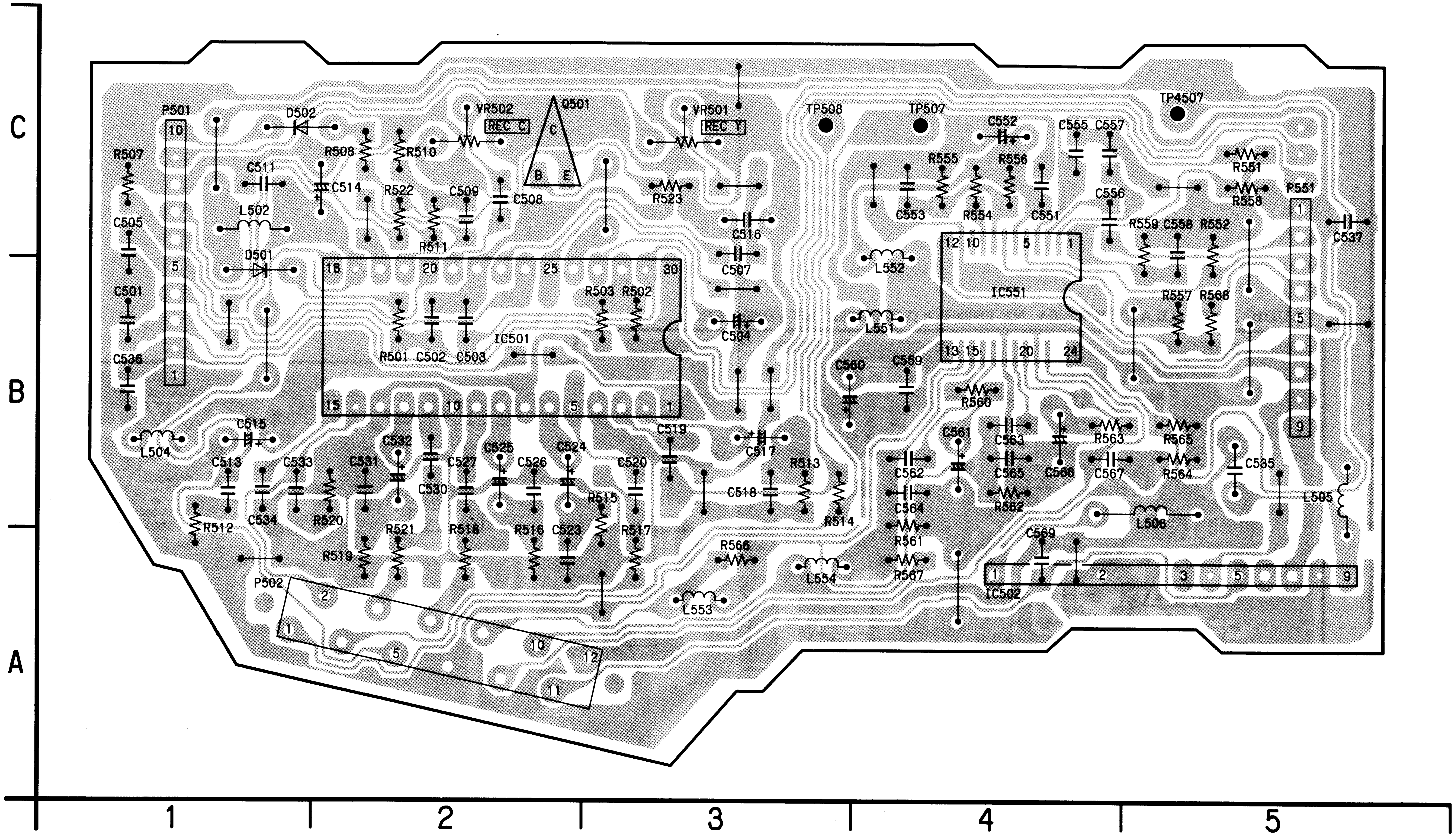
1	SP L	P2901-1
2	SP COM.	P2901-2
3	SP R	P2901-3
4	LP L	P2901-4
5	LP COM.	P2901-5
6	LP R	P2901-6
7	GND	P2901-7
8	A.HEAD L	P2901-8
9	A.HEAD C.	P2901-9
10	A.HEAD R	P2901-10
11	FLY.E HEAD	P2901-11
12	FLY.E GND	P2901-12



TP507 0.3Vp-p REC
TP508 0.1Vp-p REC

TP4507 0.45Vp-p REC

3-40. HEAD AMP C.B.A. (VEP05149C)


C
B
A
1
2
3
4
5
P501
D502
VR502
REC C
Q501
VR501
REC Y
TP508
TP507
TP4507
R507
C511
R508
R510
C514
R522
C509
C508
R523
C516
C552
R555
R556
C555
C557
C556
R551
R558
P551
C537
C505
L502
R511
C553
R554
C551
R559
C558
R552
D501
C507
L552
IC551
C501
R503
R502
C504
L551
R557
R568
IC501
R501
C502
C503
C536
C560
C559
R560
C515
C519
C561
C563
R563
R565
L504
C513
C533
C531
C532
C527
C525
C526
C524
C520
C517
R513
C562
C565
C566
C567
R564
C585
C530
R515
C518
C564
R562
L505
R512
C534
R520
R521
R518
R516
C523
R517
R514
R561
L506
R519
R566
C569
P502
L554
R567
IC502
L553

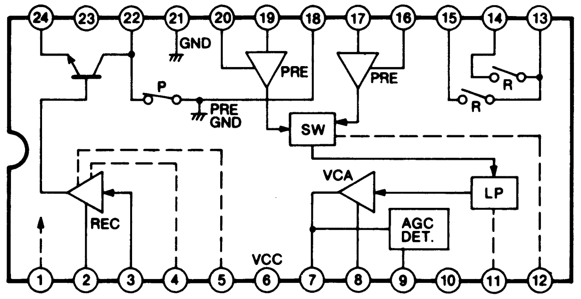
HEAD AMP C.B.A.

Transistor	
Q501	C-2
Integrated Circuit	
IC501 IC502 IC551	B-2 A-4 B-4
Test Point	
TP507 TP508 TP4507	C-4 C-3 C-5
Adjustment	
VR501 VR502	C-3 C-2
Connector	
P501 P502 P551	C-1 A-2 B-5

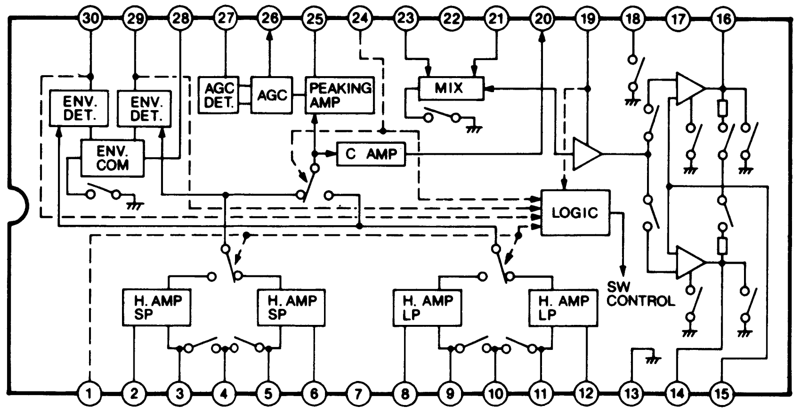
ADDRESS INFORMATION

IC BLOCK

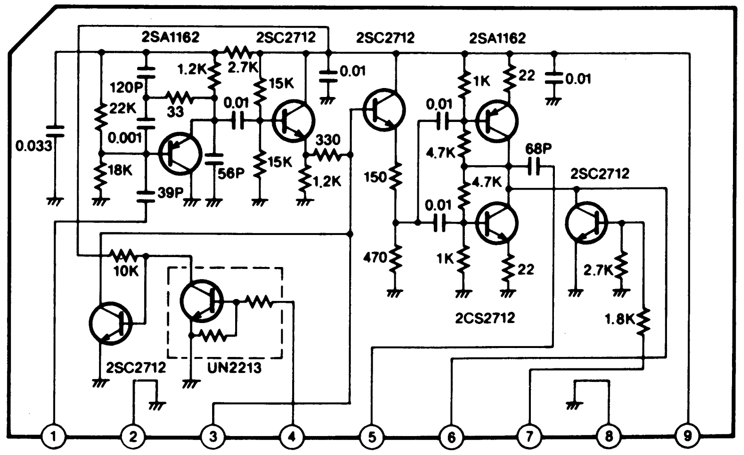
IC551 (BA7740FS)


GND
PRE
PRE
P
PRE GND
R
R
SW
VCA
LP
REC
AGC DET.
VCC

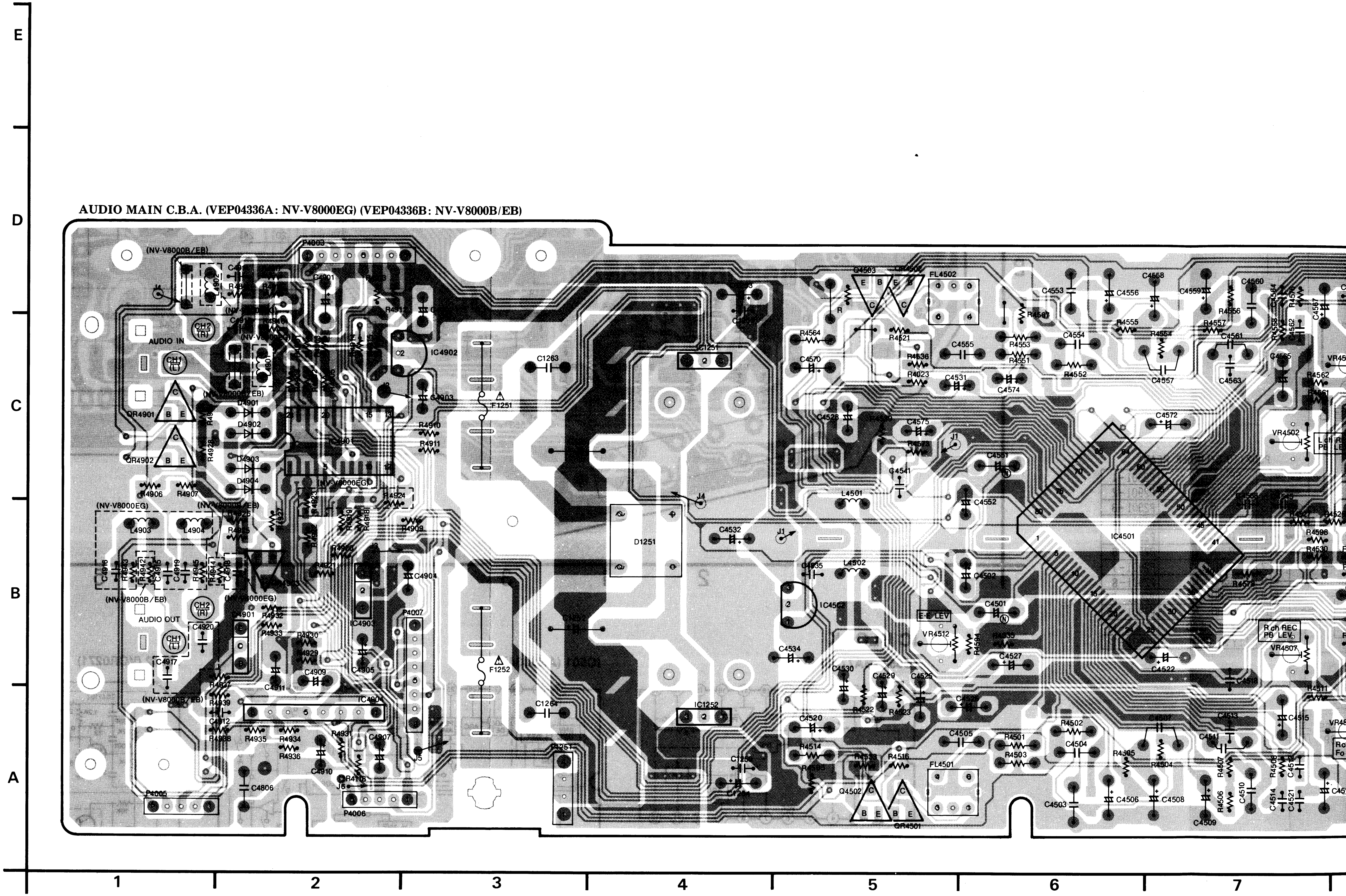
IC501 (AN3334K)


ENV. DET.
ENV. DET.
AGC DET.
AGC
PEAKING AMP
MIX
ENV. COM
C AMP
LOGIC
H. AMP SP
H. AMP SP
H. AMP LP
H. AMP LP
SW CONTROL

IC502 (VCR0271)

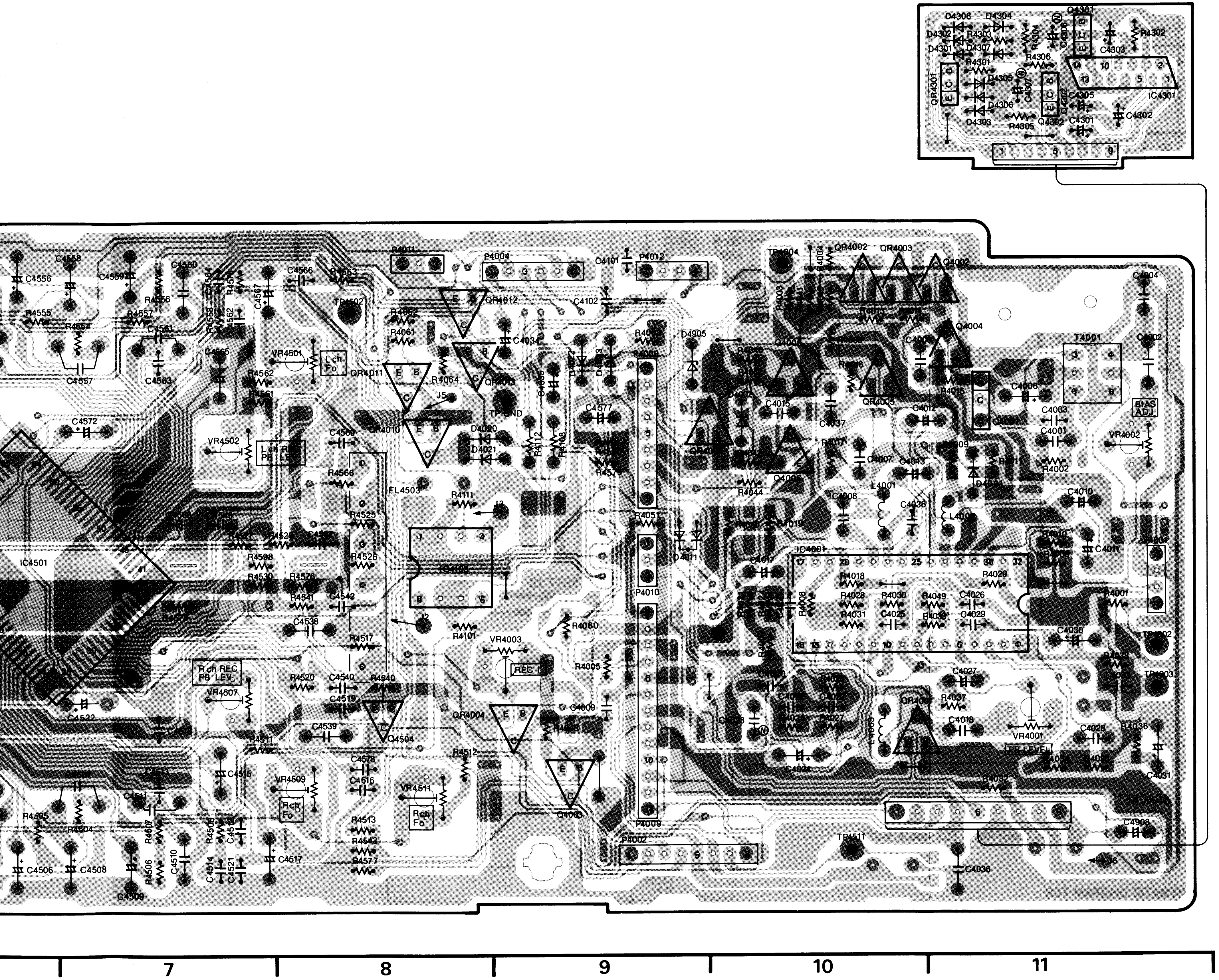

2SA1162
2SC2712
2SC2712
2SA1162
120P
1.2K
2.7K
15K
0.01
22K
33
0.01
0.001
330
0.01
1K
22
0.01
0.033
18K
56P
15K
1.2K
150
4.7K
68P
39P
4.7K
2SC2712
0.01
470
1K
22
2.7K
10K
2CS2712
1.8K
2SC2712
UN2213

3-41. AUDIO MAIN C.B.A. (VEP04336A: NV-V8000EG) (VEP04336B: NV-V8000B/EB)



AUDIO MAIN C.B.A. (VEP04336A: NV-V8000EG) (VEP04336B: NV-V8000B/EB)
E
D
C
B
A
1
2
3
4
5
6
7
AUDIO IN
CH2 (R)
CH1 (L)
AUDIO OUT
(NV-V8000B/EB)
(NV-V8000EG)
QR4901
QR4902
D4901
D4902
D4903
D4904
IC4901
IC4902
IC4903
IC4904
P4003
P4005
P4006
P4007
L4903
L4904
F1251
F1252
IC1251
IC1252
C1263
C1264
D1251
J4
J1
J5
J6
IC4501
IC4502
Q4502
Q4503
QR4501
FL4501
FL4502
L4501
L4502
VR4502
VR4507
VR4512
E-E LEV
R ch REC PB LEV
L ch R PB
C4901
C4903
C4904
C4905
C4906
C4907
C4909
C4910
C4911
C4912
C4916
C4917
C4918
C4919
C4920
R4906
R4907
R4909
R4910
R4911
R4929
R4930
R4931
R4932
R4933
R4934
R4935
R4936
R4938
R4939
C4806
C4501
C4502
C4503
C4504
C4505
C4506
C4507
C4508
C4509
C4510
C4511
C4513
C4514
C4515
C4520
C4521
C4522
C4525
C4527
C4528
C4529
C4530
C4531
C4532
C4534
C4535
C4541
C4552
C4553
C4554
C4555
C4556
C4557
C4558
C4559
C4560
C4561
C4563
C4565
C4567
C4570
C4572
C4574
C4575
R4501
R4502
R4503
R4504
R4505
R4506
R4507
R4508
R4511
R4514
R4516
R4521
R4522
R4523
R4530
R4536
R4551
R4552
R4553
R4554
R4555
R4556
R4557
R4562
R4564
R4567
R4594
R4598
R4023

AUDIO FADER PACK
C.B.A. (VEP04317A)

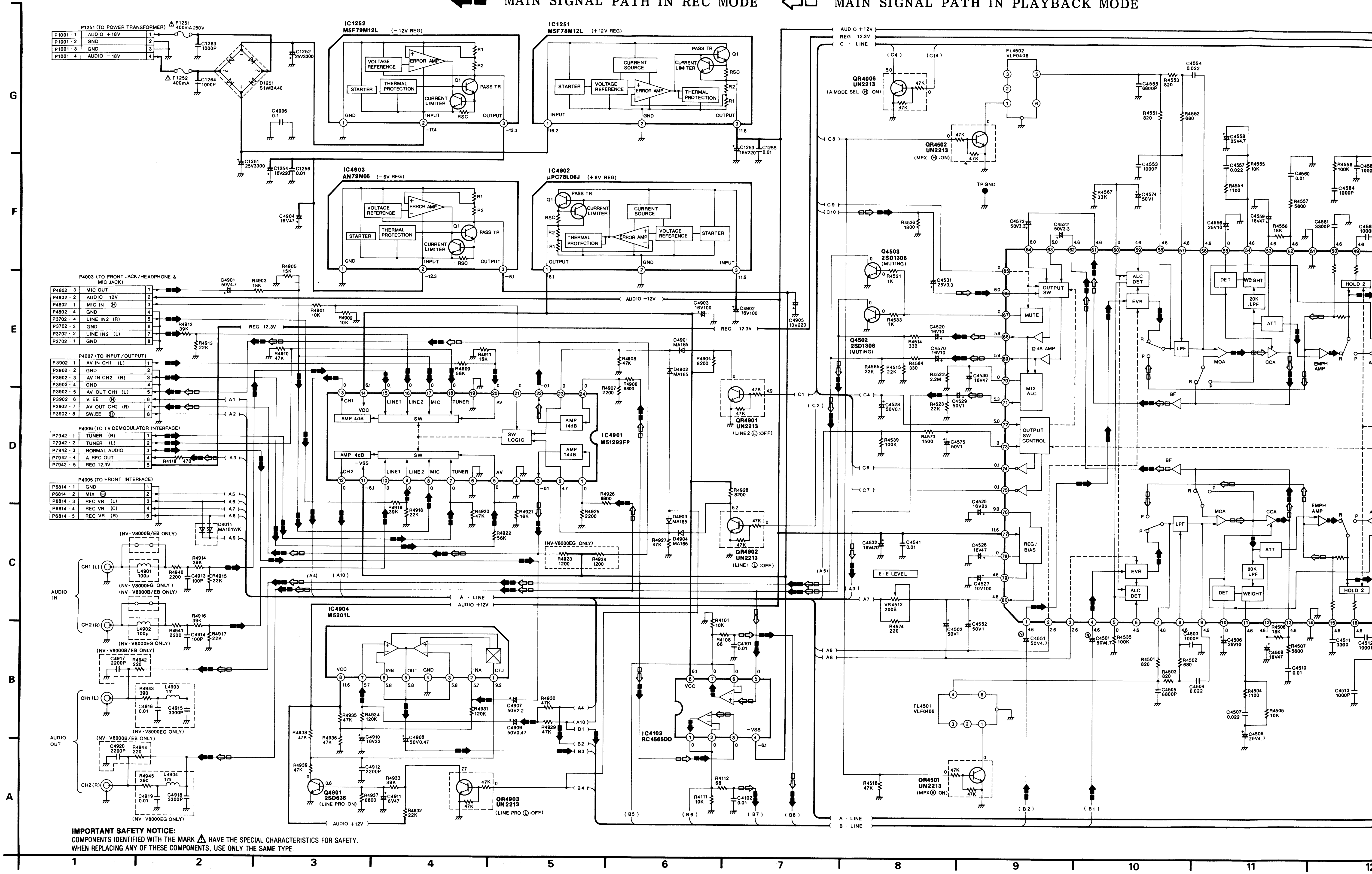

D4308
D4304
D4302
R4303
D4301
D4307
R4301
R4304
R4306
Q4301
R4302
C4303
D4305
C4307
IC4301
QR4301
D4306
Q4302
C4305
D4303
R4305
C4301
C4302
P4011
P4004
C4101
P4012
TP4004
QR4002
QR4003
Q4002
C4004
C4558
C4556
C4559
C4560
C4566
R4563
TP4502
QR4012
C4102
R4555
R4564
R4557
C4561
R4556
R4562
R4061
QR4013
R4064
C4034
D4905
Q4004
T4001
C4002
C4557
C4563
VR4501
Lch Fo
QR4011
J5
TP GND
Q4005
R4016
QR4005
C4006
C4003
C4001
BIAS ADJ
VR4002
C4572
VR4502
Lch REC PB LEV
C4569
QR4010
D4020
D4021
C4577
C4015
C4037
C4012
R4015
R4017
C4007
C4013
R4002
R4044
Q4006
R4566
FL4503
R4111
R4051
C4008
L4001
C4038
C4010
C4011
IC4501
R4525
R4598
R4526
R4530
R4576
R4541
C4542
C4538
IC4103
D4011
IC4001
R4018
R4029
R4028
R4030
R4049
C4026
R4031
C4025
C4029
R4001
R4517
R4101
VR4003
R4060
P4010
C4030
TP4002
Rch REC PB LEV
VR4507
R4520
C4540
R4540
C4519
REC
R4005
C4027
TP4003
C4522
R4511
C4539
QR4004
Q4504
C4009
R4037
QR4001
C4018
VR4001
R4036
C4028
PB LEVEL
C4024
L4003
R4512
C4578
C4516
VR4509
Rch Fo
VR4511
Rch Fo
Q4003
C4507
C4511
C4515
R4505
R4504
R4513
R4542
R4577
C4506
C4508
R4507
R4506
C4510
R4508
C4514
C4521
C4517
C4509
P4009
P4002
TP4511
C4036
C4908
C4031
R4032
7
8
9
10
11

AUDIO MAIN C.B.A.	
Transistor	
Q4001	C-11
Q4002	D-10
Q4003	A-9
Q4004	C-11
Q4005	C-10
Q4006	C-10
Q4301	E-11
Q4302	D-11
Q4502	A-5
Q4503	D-5
Q4504	B-8
Q4901	B-2
Transistor & Resistor	
QR4001	B-10
QR4002	D-10
QR4003	D-10
QR4004	B-9
QR4005	C-10
QR4006	C-9
QR4010	C-8
QR4011	C-8
QR4012	D-8
QR4013	C-8
QR4301	E-11
QR4501	A-5
QR4502	D-5
QR4901	C-1
QR4902	C-1
QR4903	B-2
Integrated Circuit	
IC1251	C-4
IC1252	A-4
IC4001	B-10
IC4103	B-8
IC4301	E-11
IC4501	B-6
IC4502	B-5
IC4901	C-2
IC4902	C-3
IC4903	B-2
IC4904	A-2
Test Point	
TP4002	B-11
TP4003	B-11
TP4004	D-10
TP4502	C-8
TP4511	A-10
TPGND	C-9
Adjustment	
VR4001	B-11
VR4002	C-11
VR4003	B-9
VR4501	C-8
VR4502	C-7
VR4507	B-7
VR4509	A-8
VR4511	A-8
VR4512	B-5
Connector	
P1251	A-3
P4001	B-11
P4002	A-9
P4003	D-2
P4004	D-9
P4005	A-1
P4006	A-2
P4007	B-2
P4008	C-9
P4009	A-9
P4010	B-9
P4011	D-8
P4012	D-9

ADDRESS INFORMATION

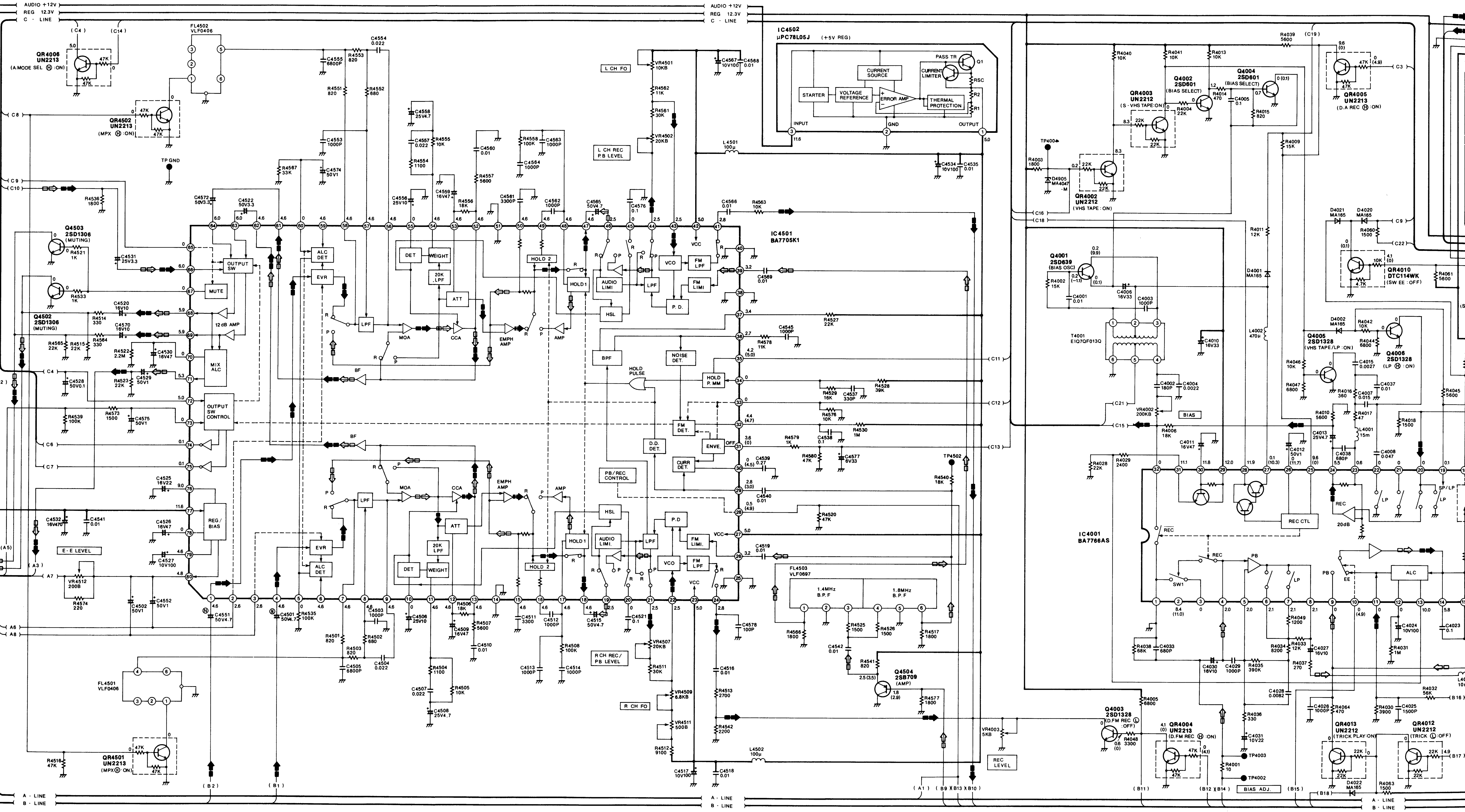
3-42. AUDIO MAIN SCHEMATIC DIAGRAM

◀■ MAIN SIGNAL PATH IN REC MODE ⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE


P1251 (TO POWER TRANSFORMER)
F1251 400mA 250V
F1252 400mA
D1251 S1WBA40
IC1252 M5F79M12L (−12V REG)
IC1251 M5F78M12L (+12V REG)
IC4903 AN79N06 (−6V REG)
IC4902 µPC78L06J (+6V REG)
VOLTAGE REFERENCE
ERROR AMP
THERMAL PROTECTION
STARTER
CURRENT LIMITER
CURRENT SOURCE
PASS TR
P4003 (TO FRONT JACK/HEADPHONE & MIC JACK)
P4007 (TO INPUT/OUTPUT)
P4006 (TO TV DEMODULATOR INTERFACE)
P4005 (TO FRONT INTERFACE)
IC4901 M51293FP
SW LOGIC
AMP 4dB
AMP 14dB
IC4904 M5201L
IC4103 RC4565DD
Q4901 2SD636 (LINE PRO:ON)
QR4903 UN2213 (LINE PRO Ⓛ:OFF)
QR4901 UN2213 (LINE2 Ⓛ:OFF)
QR4902 UN2213 (LINE1 Ⓛ:OFF)
QR4006 UN2213 (A.MODE SEL Ⓗ:ON)
QR4502 UN2213 (MPX Ⓗ:ON)
QR4501 UN2213 (MPX Ⓗ ON)
Q4503 2SD1306 (MUTING)
Q4502 2SD1306 (MUTING)
FL4502 VLF0406
FL4501 VLF0406
TP GND
OUTPUT SW
MUTE
12dB AMP
MIX ALC
OUTPUT SW CONTROL
REG/ BIAS
ALC DET
EVR
DET
WEIGHT
20K LPF
ATT
LPF
MOA
CCA
EMPH AMP
HOLD 2
BF
E-E LEVEL
VR4512
AUDIO IN
AUDIO OUT
CH1 (L)
CH2 (R)
(NV-V8000B/EB ONLY)
(NV-V8000EG ONLY)
AUDIO +12V
REG 12.3V
C - LINE
A - LINE
B - LINE
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

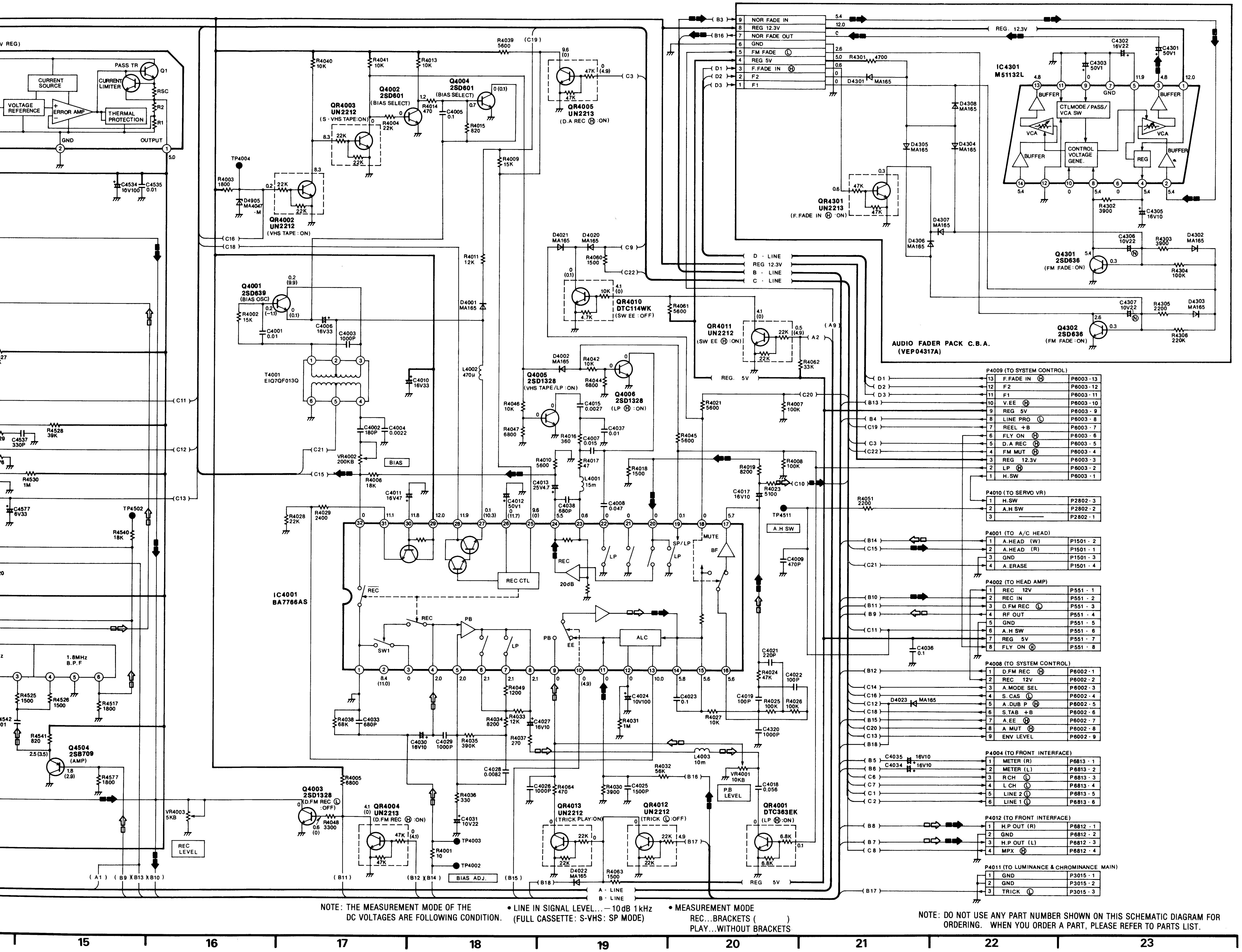
MAIN SIGNAL PATH IN PLAYBACK MODE


AUDIO +12V
REG 12.3V
C · LINE
A · LINE
B · LINE
IC4502
μPC78L05J
(+5V REG)
PASS TR
CURRENT SOURCE
CURRENT LIMITER
STARTER
VOLTAGE REFERENCE
ERROR AMP
THERMAL PROTECTION
INPUT
GND
OUTPUT
IC4501
BA7705K1
IC4001
BA7766AS
QR4006 UN2213 (A.MODE SEL Ⓗ:ON)
QR4502 UN2213 (MPX Ⓗ:ON)
Q4503 2SD1306 (MUTING)
Q4502 2SD1306 (MUTING)
QR4501 UN2213 (MPX Ⓡ:ON)
Q4504 2SB709 (AMP)
FL4501 VLF0406
FL4502 VLF0406
FL4503 VLF0697
1.4MHz B.P.F
1.8MHz B.P.F
OUTPUT SW
MUTE
12dB AMP
MIX ALC
OUTPUT SW CONTROL
REG / BIAS
ALC DET
EVR
LPF
MOA
CCA
ATT
DET
WEIGHT
20K LPF
EMPH AMP
AMP
HOLD 1
HOLD 2
AUDIO LIMI
HSL
VCO
FM LPF
FM LIMI
P.D.
BPF
HOLD PULSE
NOISE DET.
HOLD P. MM
FM DET.
ENVE.
D.D. DET.
CURR DET.
PB/REC CONTROL
L CH FO
R CH FO
L CH REC PB LEVEL
R CH REC / PB LEVEL
E - E LEVEL
TP GND
TP4502
L4501 100μ
L4502 100μ
Q4001 2SD639 (BIAS OSC)
T4001 E1Q7QF013Q
QR4003 UN2212 (S-VHS TAPE:ON)
QR4002 UN2212 (VHS TAPE:ON)
Q4002 2SD601 (BIAS SELECT)
Q4004 2SD601 (BIAS SELECT)
QR4005 UN2213 (D.A REC Ⓗ:ON)
QR4010 DTC114WK (SW EE : OFF)
Q4005 2SD1328 (VHS TAPE/LP:ON)
Q4006 2SD1328 (LP Ⓗ:ON)
Q4003 2SD1328 (D.FM REC Ⓛ:OFF)
QR4004 UN2213 (D.FM REC Ⓗ:ON)
QR4013 UN2212 (TRICK PLAY:ON)
QR4012 UN2212 (TRICK Ⓛ:OFF)
VR4002 200KB
VR4003 5KB
BIAS
BIAS ADJ.
REC LEVEL
REC CTL
20dB
ALC
SW1
TP4001
TP4002
TP4003
D4905 MA4047-M
D4001 MA165
D4002 MA165
D4020 MA165
D4021 MA165
D4022 MA165
L4001 15m
L4002 470μ

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGES ARE FOLLOWING CONDITION.

- LINE IN SIGNAL LEVEL...−10dB 1kHz (FULL CASSETTE: S-VHS: SP MODE)
- MEASU
REC
PLA

8 9 10 11 12 13 14 15 16 17 18 19

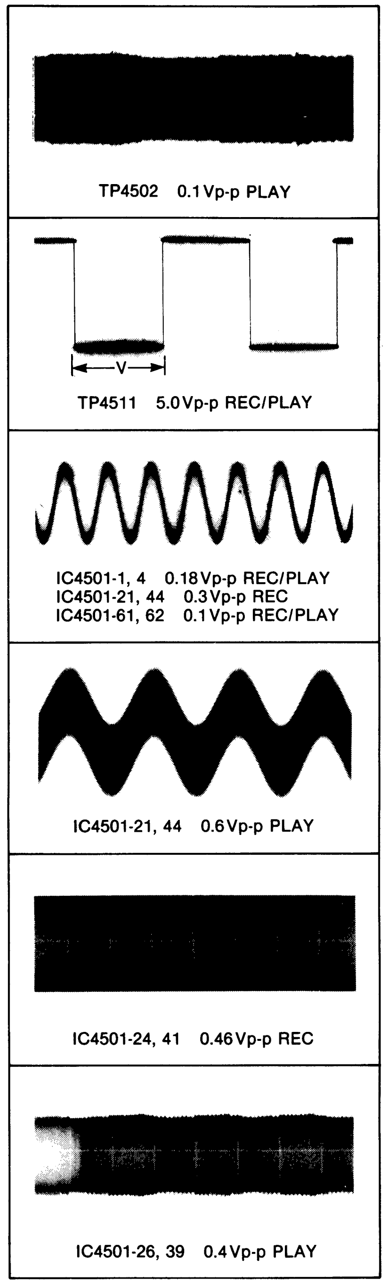

IC4001
BA7766AS
IC4301
M51132L
AUDIO FADER PACK C.B.A.
(VEP04317A)
Q4001 2SD639 (BIAS OSC)
Q4002 2SD601 (BIAS SELECT)
Q4004 2SD601 (BIAS SELECT)
Q4005 2SD1328 (VHS TAPE/LP :ON)
Q4006 2SD1328 (LP Ⓗ :ON)
Q4003 2SD1328 (D.FM REC Ⓛ :OFF)
QR4001 DTC363EK (LP Ⓗ :ON)
QR4002 UN2212 (VHS TAPE : ON)
QR4003 UN2212 (S · VHS TAPE:ON)
QR4004 UN2213 (D.FM REC Ⓗ :ON)
QR4005 UN2213 (D.A REC Ⓗ :ON)
QR4010 DTC114WK (SW EE : OFF)
QR4011 UN2212 (SW EE Ⓗ :ON)
QR4012 UN2212 (TRICK Ⓛ :OFF)
QR4013 UN2212 (TRICK PLAY:ON)
QR4301 UN2213 (F.FADE IN Ⓗ :ON)
Q4301 2SD636 (FM FADE : ON)
Q4302 2SD636 (FM FADE : ON)
Q4504 2SB709 (AMP)
T4001 EIQ7QF013Q
1.8MHz B.P.F
REC CTL
ALC
BIAS
BIAS ADJ.
REC LEVEL
PB LEVEL
A.H SW
CURRENT SOURCE
CURRENT LIMITER
PASS TR
VOLTAGE REFERENCE
ERROR AMP
THERMAL PROTECTION
CTL MODE / PASS / VCA SW
CONTROL VOLTAGE GENE.
BUFFER
VCA
REG
NOR FADE IN
REG 12.3V
NOR FADE OUT
GND
FM FADE Ⓛ
REG 5V
F.FADE IN Ⓗ
F2
F1
P4009 (TO SYSTEM CONTROL)
13 F.FADE IN Ⓗ P6003 · 13
12 F2 P6003 · 12
11 F1 P6003 · 11
10 V.EE Ⓗ P6003 · 10
9 REG 5V P6003 · 9
8 LINE PRO Ⓛ P6003 · 8
7 REEL +B P6003 · 7
6 FLY ON Ⓗ P6003 · 6
5 D.A REC Ⓗ P6003 · 5
4 FM MUT Ⓗ P6003 · 4
3 REG 12.3V P6003 · 3
2 LP Ⓗ P6003 · 2
1 H.SW P6003 · 1
P4010 (TO SERVO VR)
1 H.SW P2802 · 3
2 A.H SW P2802 · 2
3 P2802 · 1
P4001 (TO A/C HEAD)
1 A.HEAD (W) P1501 · 2
2 A.HEAD (R) P1501 · 1
3 GND P1501 · 3
4 A.ERASE P1501 · 4
P4002 (TO HEAD AMP)
1 REC 12V P551 · 1
2 REC IN P551 · 2
3 D.FM REC Ⓛ P551 · 3
4 RF OUT P551 · 4
5 GND P551 · 5
6 A.H SW P551 · 6
7 REG 5V P551 · 7
8 FLY ON Ⓗ P551 · 8
P4008 (TO SYSTEM CONTROL)
1 D.FM REC Ⓗ P6002 · 1
2 REC 12V P6002 · 2
3 A.MODE SEL P6002 · 3
4 S.CAS Ⓛ P6002 · 4
5 A.DUB P Ⓗ P6002 · 5
6 S.TAB +B P6002 · 6
7 A.EE Ⓗ P6002 · 7
8 A MUT Ⓗ P6002 · 8
9 ENV LEVEL P6002 · 9
P4004 (TO FRONT INTERFACE)
1 METER (R) P6813 · 1
2 METER (L) P6813 · 2
3 RCH Ⓛ P6813 · 3
4 LCH Ⓛ P6813 · 4
5 LINE 2 Ⓛ P6813 · 5
6 LINE 1 Ⓛ P6813 · 6
P4012 (TO FRONT INTERFACE)
1 H.P OUT (R) P6812 · 1
2 GND P6812 · 2
3 H.P OUT (L) P6812 · 3
4 MPX Ⓗ P6812 · 4
P4011 (TO LUMINANCE & CHROMINANCE MAIN)
1 GND P3015 · 1
2 GND P3015 · 2
3 TRICK Ⓛ P3015 · 3
D - LINE
REG 12.3V
B - LINE
C - LINE
A - LINE
REG. 5V
REG. 12.3V
15
16
17
18
19
20
21
22
23

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGES ARE FOLLOWING CONDITION.

- LINE IN SIGNAL LEVEL…−10dB 1kHz (FULL CASSETTE: S-VHS: SP MODE)
- MEASUREMENT MODE REC…BRACKETS ( ) PLAY…WITHOUT BRACKETS

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

WAVEFORM OF AUDIO MAIN

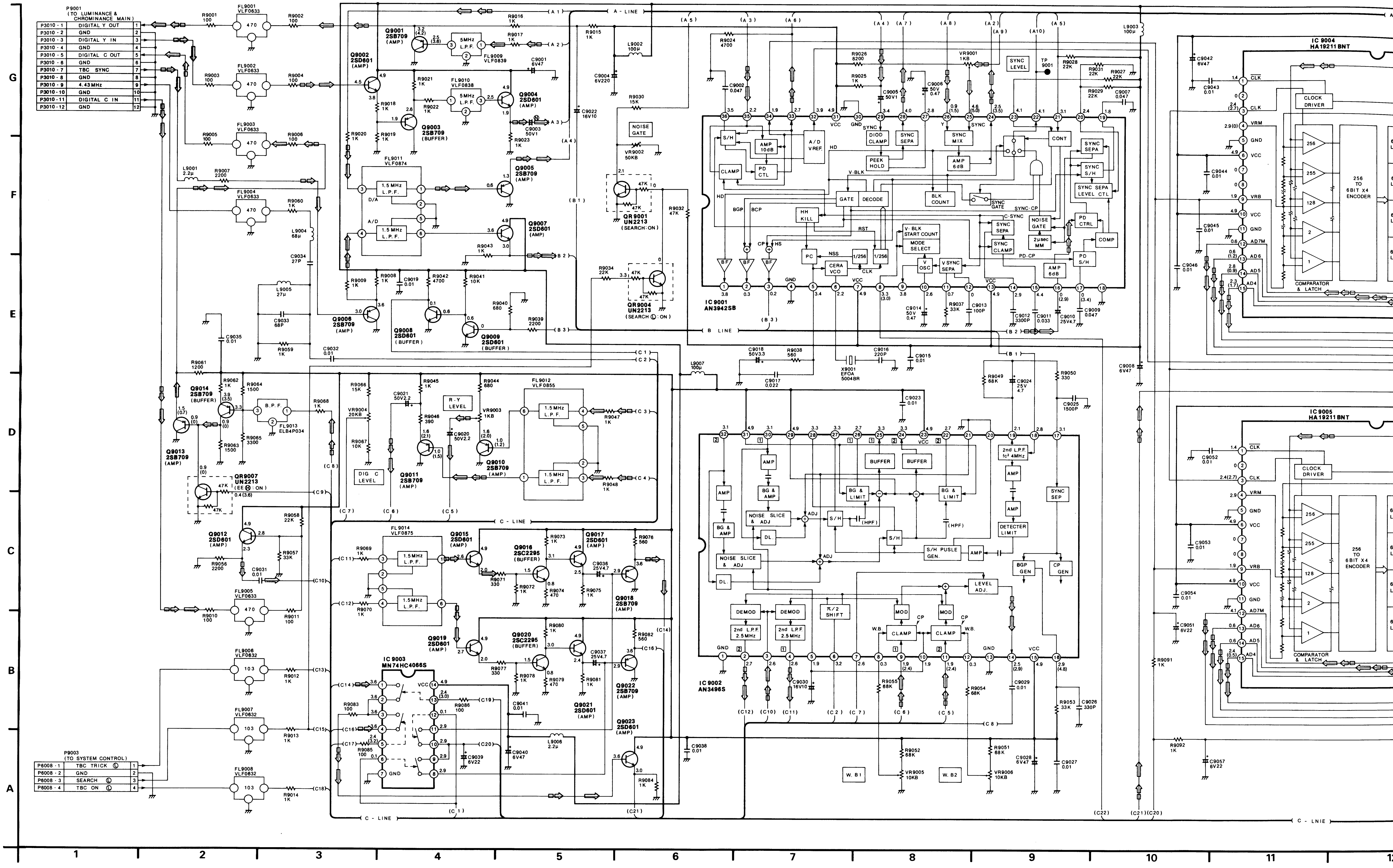


Next Page:
TBC Section

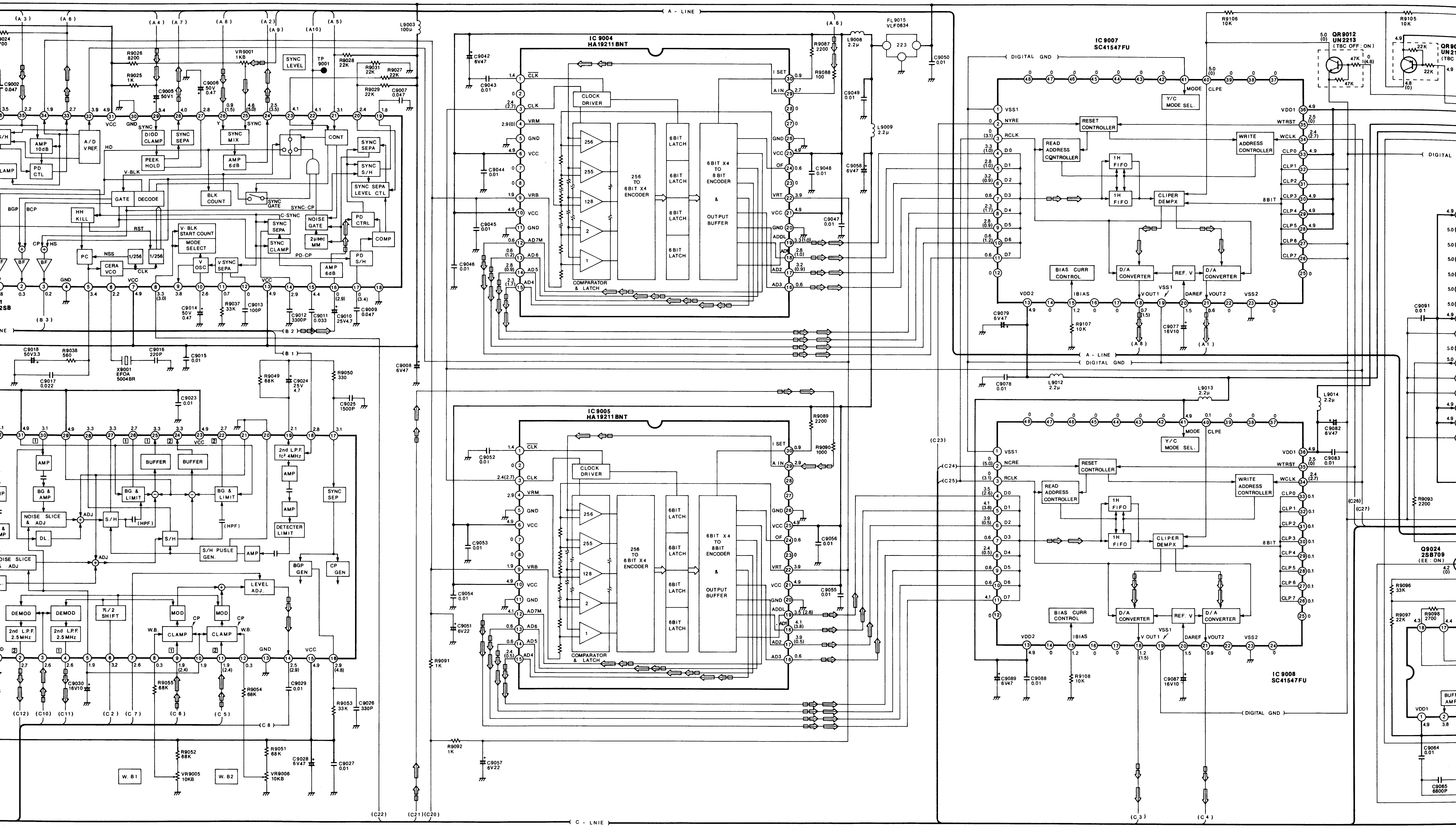
3-43. TBC SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN PLAYBACK MODE(VHS).

MAIN SIGNAL PATH IN PLAYBACK MODE(S

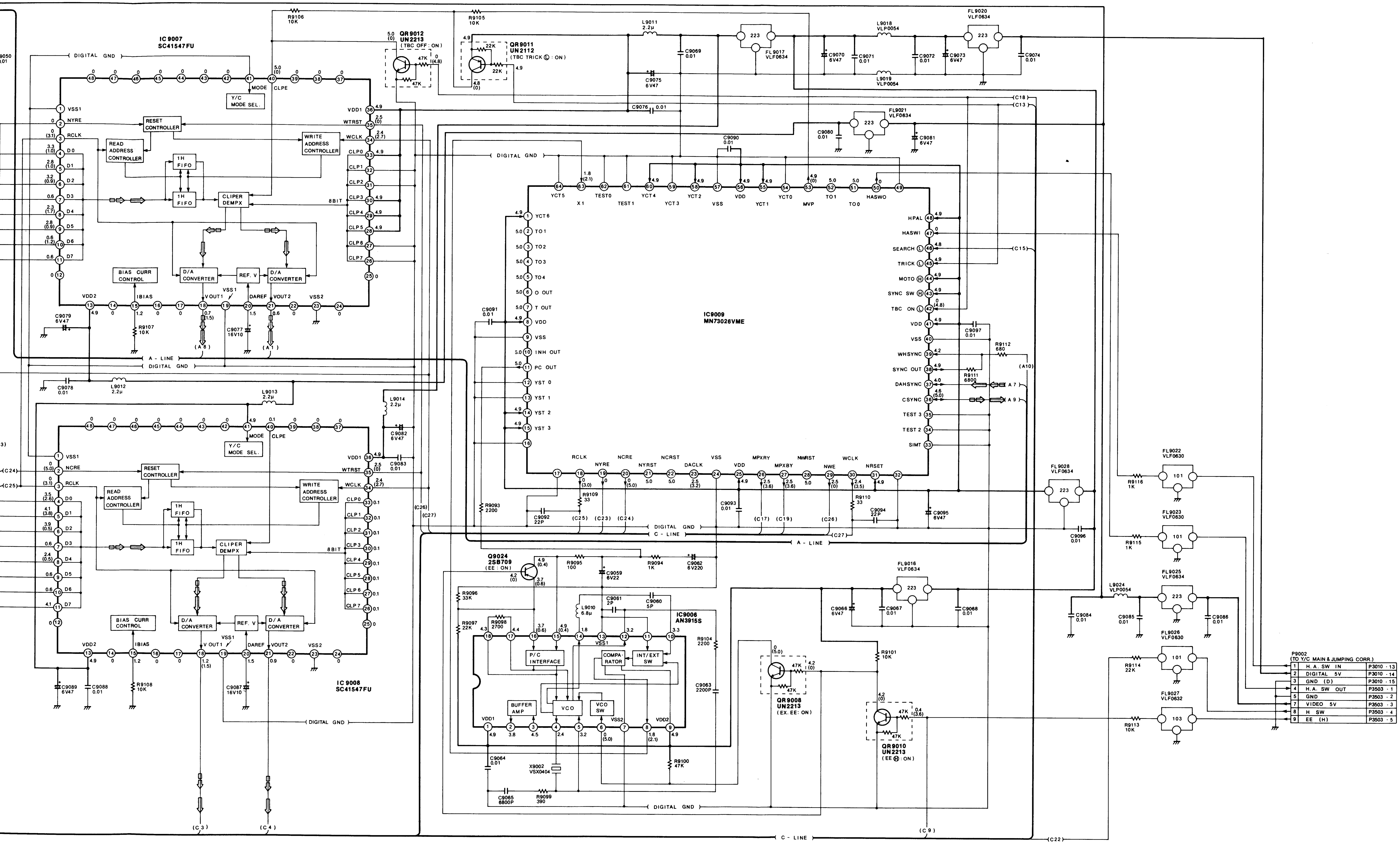

P9001
(TO LUMINANCE & CHROMINANCE MAIN)
P3010 - 1 DIGITAL Y OUT 1
P3010 - 2 GND 2
P3010 - 3 DIGITAL Y IN 3
P3010 - 4 GND 4
P3010 - 5 DIGITAL C OUT 5
P3010 - 6 GND 6
P3010 - 7 TBC SYNC 7
P3010 - 8 GND 8
P3010 - 9 4.43MHz 9
P3010 - 10 GND 10
P3010 - 11 DIGITAL C IN 11
P3010 - 12 GND 12
P9003
(TO SYSTEM CONTROL)
P6008 - 1 TBC TRICK Ⓛ 1
P6008 - 2 GND 2
P6008 - 3 SEARCH Ⓛ 3
P6008 - 4 TBC ON Ⓛ 4
A - LINE
B LINE
C - LINE
Q9001 2SB709 (AMP)
Q9002 2SD601 (AMP)
Q9003 2SB709 (BUFFER)
Q9004 2SD601 (AMP)
Q9005 2SB709 (AMP)
Q9006 2SB709 (AMP)
Q9007 2SD601 (AMP)
Q9008 2SD601 (BUFFER)
Q9009 2SD601 (BUFFER)
Q9010 2SB709 (AMP)
Q9011 2SB709 (AMP)
Q9012 2SD601 (AMP)
Q9013 2SB709 (AMP)
Q9014 2SB709 (BUFFER)
Q9015 2SD601 (AMP)
Q9016 2SC2295 (BUFFER)
Q9017 2SD601 (AMP)
Q9018 2SB709 (AMP)
Q9019 2SD601 (AMP)
Q9020 2SC2295 (BUFFER)
Q9021 2SD601 (AMP)
Q9022 2SB709 (AMP)
Q9023 2SD601 (AMP)
QR9001 UN2213 (SEARCH : ON)
QR9004 UN2213 (SEARCH Ⓛ : ON)
QR9007 UN2213 (EE Ⓗ : ON)
FL9001 VLF0633
FL9002 VLF0633
FL9003 VLF0633
FL9004 VLF0633
FL9005 VLF0633
FL9006 VLF0632
FL9007 VLF0632
FL9008 VLF0632
FL9009 VLF0839
FL9010 VLF0838
FL9011 VLF0874
FL9012 VLF0855
FL9013 ELB4P034
FL9014 VLF0875
5MHz L.P.F.
1.5MHz L.P.F.
B.P.F.
D/A
A/D
R-Y LEVEL
DIG C LEVEL
NOISE GATE
VR9002 50KB
VR9003 1KB
VR9004 20KB
VR9001 1KB
SYNC LEVEL
TP 9001
IC 9001 AN3942SB
S/H
AMP 10dB
A/D VREF.
DIOD CLAMP
SYNC SEPA
SYNC MIX
CONT
SYNC SEPA
SYNC S/H
SYNC SEPA LEVEL CTL
CLAMP
PD CTL
PEEK HOLD
AMP 6dB
GATE
DECODE
BLK COUNT
SYNC GATE
HH KILL
V-BLK START COUNT
MODE SELECT
NOISE GATE
2μsec MM
SYNC SEPA
SYNC CLAMP
PD CTRL
COMP
PC
NSS
1/256
CERA VCO
V OSC
V SYNC SEPA
AMP 6dB
PD S/H
BF
X9001 EFOA 5004BR
IC 9002 AN3496S
AMP
BG & AMP
NOISE SLICE & ADJ
DL.
BUFFER
BG & LIMIT
S/H
2nd L.P.F. fc≒ 4MHz
DETECTER LIMIT
SYNC SEP
S/H PUSLE GEN.
BGP GEN
CP GEN
LEVEL ADJ.
DEMOD
2nd L.P.F. 2.5MHz
π/2 SHIFT
MOD
CLAMP
W.B1
W.B2
VR9005 10KB
VR9006 10KB
IC 9003 MN74HC4066S
IC 9004 HA19211BNT
IC 9005 HA19211BNT
CLOCK DRIVER
256 TO 6BIT X4 ENCODER
COMPARATOR & LATCH
CLK
VRM
GND
VCC
VRB
AD7M
AD6
AD5
AD4
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11

CK MODE(VHS).   ⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE(S-VHS).


A - LINE
C - LNIE
DIGITAL GND
IC 9004
HA19211BNT
IC 9005
HA19211BNT
IC 9007
SC41547FU
IC 9008
SC41547FU
QR9012
UN2213
(TBC OFF: ON)
Q9024
2SB709
(EE: ON)
FL9015
VLF0634
L9003
100μ
TP 9001
SYNC LEVEL
A/D VREF.
AMP 10dB
PD CTL
DIOD CLAMP
SYNC SEPA
SYNC MIX
PEEK HOLD
AMP 6dB
CONT
SYNC S/H
SYNC SEPA LEVEL CTL
GATE
DECODE
BLK COUNT
HH KILL
PC
CERA VCO
1/256
V-BLK START COUNT
MODE SELECT
V OSC
V SYNC SEPA
SYNC CLAMP
NOISE GATE
2usec MM
PD CTRL
COMP
PD S/H
X9001
EFOA
5004BR
CLOCK DRIVER
256 TO 6BIT X4 ENCODER
6BIT LATCH
6BIT X4 TO 8 BIT ENCODER & OUTPUT BUFFER
COMPARATOR & LATCH
READ ADDRESS CONTROLLER
WRITE ADDRESS CONTROLLER
RESET CONTROLLER
1H FIFO
CLIPER DEMPX
D/A CONVERTER
REF. V
BIAS CURR CONTROL
Y/C MODE SEL.
AMP
BG & AMP
NOISE SLICE & ADJ
DL.
S/H
BG & LIMIT
BUFFER
S/H PUSLE GEN.
2nd L.P.F. fc 4MHz
DETECTER LIMIT
SYNC SEP
BGP GEN
CP GEN
LEVEL ADJ.
DEMOD
2nd L.P.F. 2.5MHz
π/2 SHIFT
MOD
CLAMP
W. B1
W. B2
VR9005 10KB
VR9006 10KB

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS D
WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE)   (TBC SW, ON)

7   8   9   10   11   12   13   14   15   16   17   18


IC 9007
SC41547FU
DIGITAL GND
Y/C MODE SEL.
RESET CONTROLLER
READ ADDRESS CONTROLLER
WRITE ADDRESS CONTROLLER
1H FIFO
1H FIFO
CLIPER DEMPX
BIAS CURR CONTROL
D/A CONVERTER
REF. V
D/A CONVERTER
QR 9012
UN2213
(TBC OFF : ON)
QR 9011
UN2112
(TBC TRICK Ⓛ : ON)
IC9009
MN73026VME
A - LINE
DIGITAL GND
C - LINE
IC 9008
SC41547FU
Q9024
2SB709
(EE : ON)
IC9006
AN3915S
P/C INTERFACE
COMPA-RATOR
INT/EXT SW
BUFFER AMP
VCO
VCO SW
X9002
VSX0404
QR9008
UN2213
(EX. EE : ON)
QR9010
UN2213
(EE Ⓗ : ON)
FL9020 VLF0634
FL9017 VLF0634
FL9021 VLF0634
FL9016 VLF0634
FL9028 VLF0634
FL9022 VLF0630
FL9023 VLF0630
FL9025 VLF0634
FL9026 VLF0630
FL9027 VLF0632
P9002
(TO Y/C MAIN & JUMPING CORR.)
1 H. A. SW IN P3010 - 13
2 DIGITAL 5V P3010 - 14
3 GND (D) P3010 - 15
4 H. A. SW OUT P3503 - 1
5 GND P3503 - 2
7 VIDEO 5V P3503 - 3
8 H SW P3503 - 4
9 EE (H) P3503 - 5

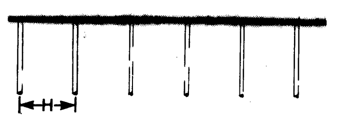
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE) (TBC SW, ON)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (FULL CASSETTE: S-VHS: SP MODE) (TBC SW, ON)

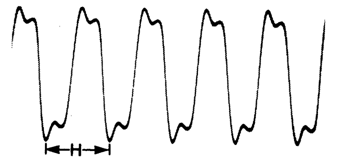
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

15 16 17 18 19 20 21 22 23 24 25

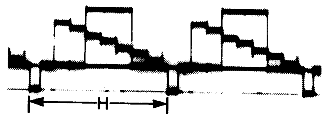
WAVEFORM OF TBC (TBC SW: ON)



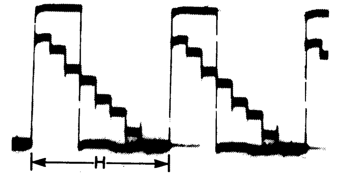
TP9001 3.6Vp-p PLAY



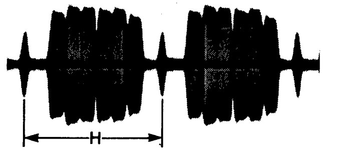
IC9003-5 6.4Vp-p PLAY



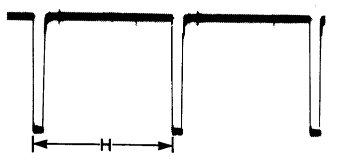
P9001-1 1.3Vp-p PLAY
P9001-3 1.0Vp-p PLAY
P9001-7 1.1Vp-p PLAY



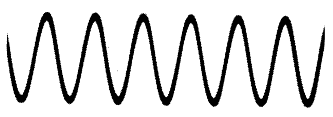
IC9007-18 0.8Vp-p PLAY



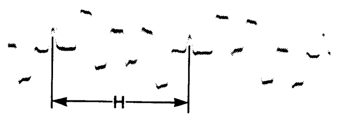
P9001-5, 11 0.6Vp-p PLAY



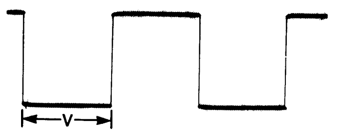
IC9007-21 0.28Vp-p PLAY



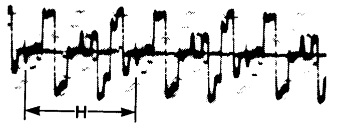
P9001-9 0.3Vp-p PLAY



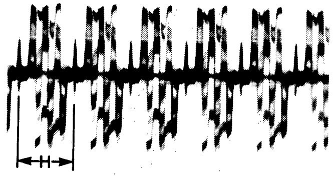
IC9008-18 0.9Vp-p PLAY



P9002-8 4.4Vp-p PLAY

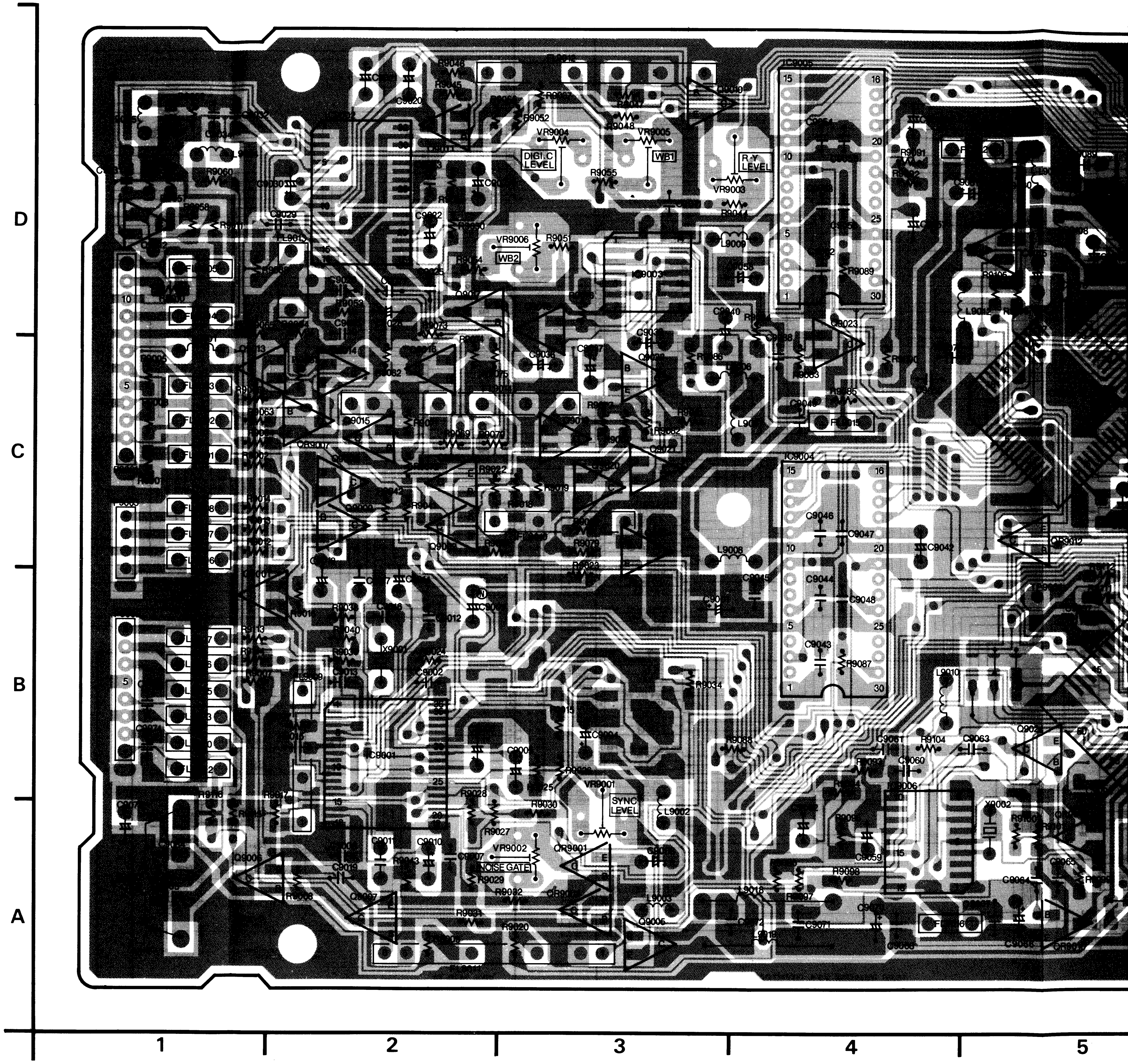


IC9008-21 1.0Vp-p PLAY

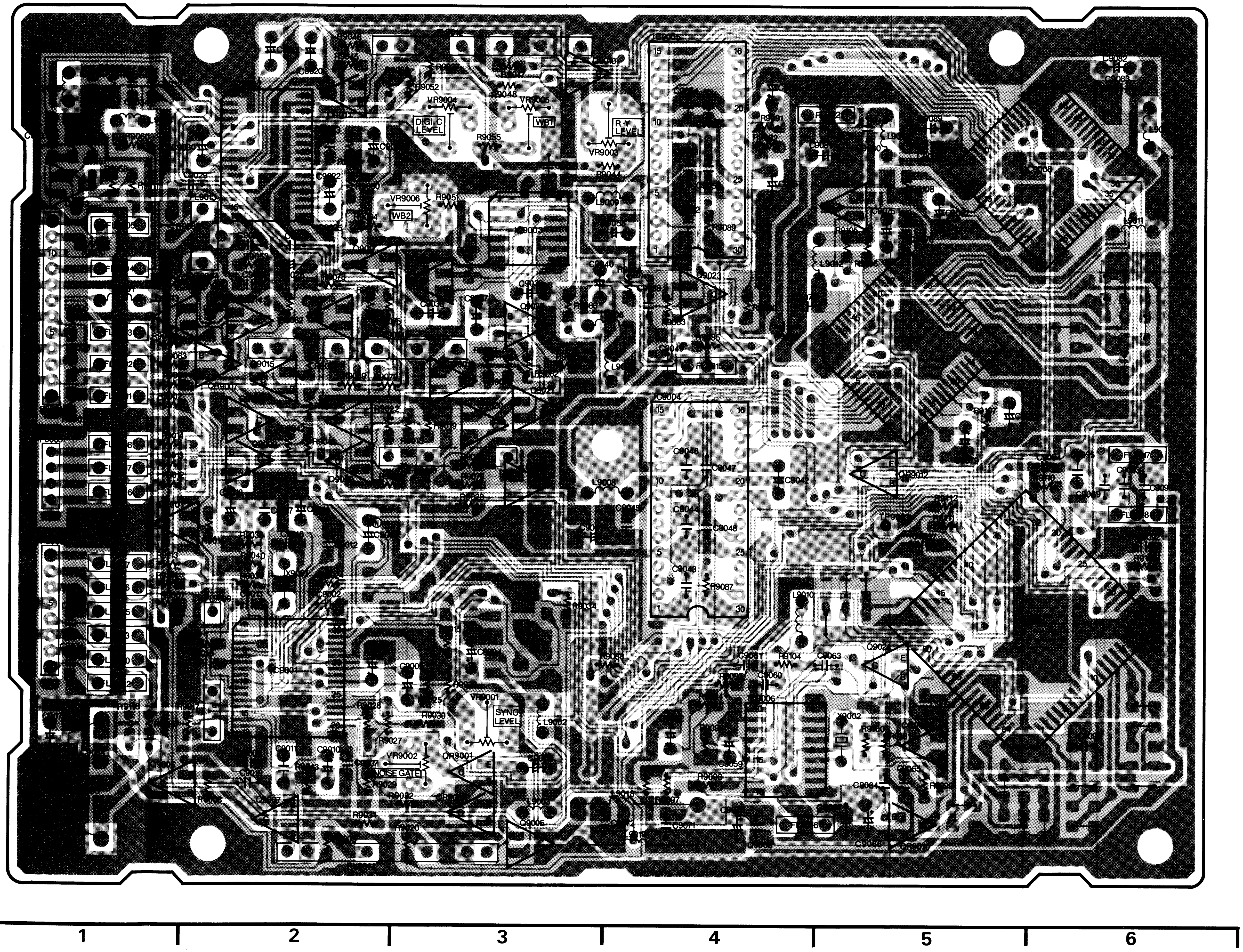


IC9003-2, 3 2.0Vp-p PLAY

3-44. TBC C.B.A. (VEP03788B)


D
C
B
A
1
2
3
4
5
IC9006
IC9003
IC9004
VR9004
DIGI.C LEVEL
VR9005
WB1
VR9003
R-Y LEVEL
VR9006
WB2
VR9001
SYNC LEVEL
VR9002
NOISE GATE
L9008
L9010
X9002

TBC C.B.A. (VEP03788B)

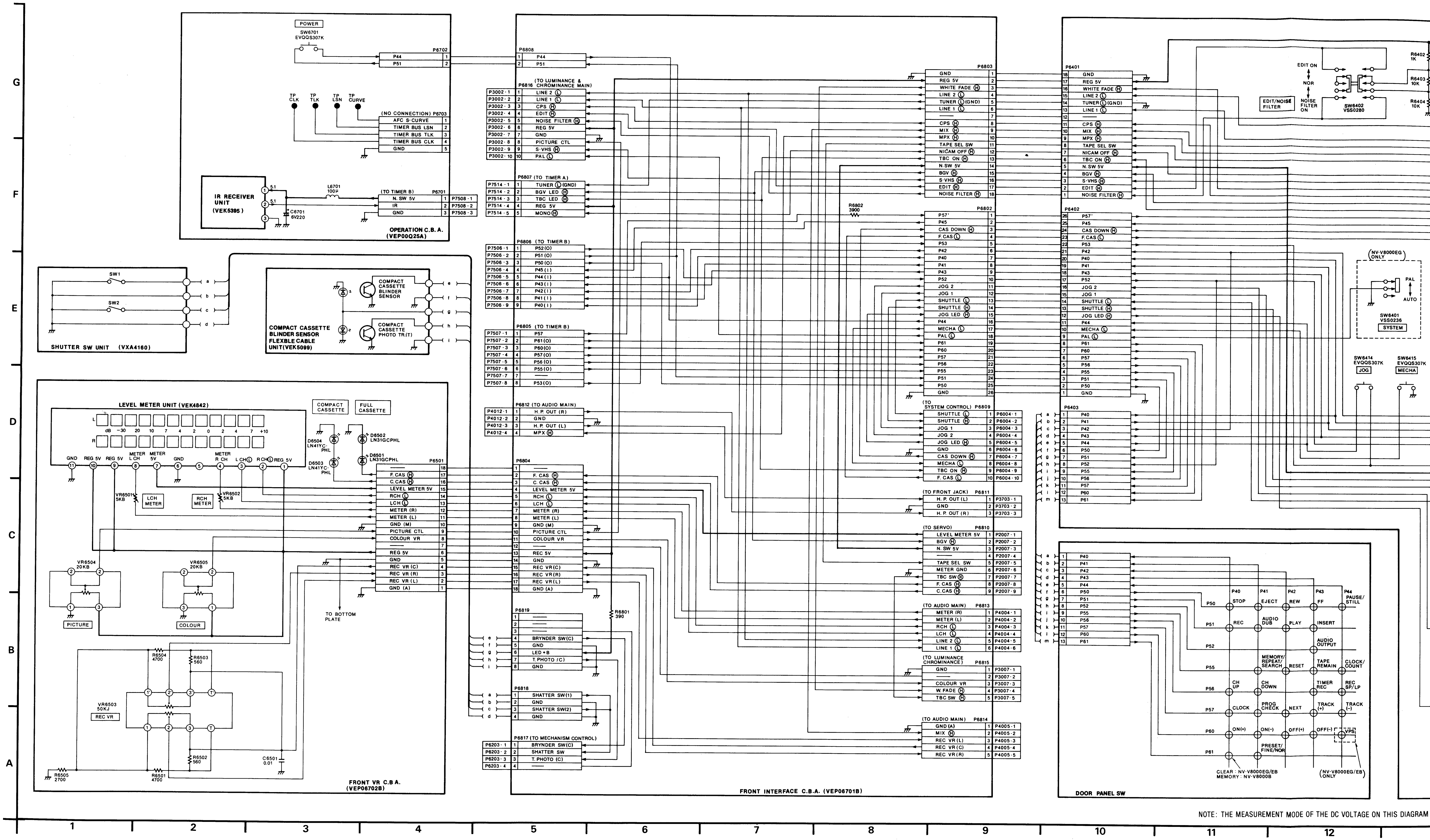

IC9006
IC9004
IC9001
VR9001
VR9002
VR9003
VR9004
VR9005
VR9006
DIGI-C LEVEL
WB1
R-Y LEVEL
WB2
SYNC LEVEL
NOISE GATE
QR9001
Q9023
Q9024
QR9012
TP9001
X9002
L9002
L9003
L9008
L9009
L9010
L9011
L9012
C9043
C9044
C9045
C9046
C9047
C9048
C9059
C9060
C9061
C9063
C9064
R9003
R9027
R9028
R9029
R9030
R9034
R9043
R9044
R9048
R9051
R9052
R9055
R9087
R9089
R9104
1
2
3
4
5
6

TBC C.B.A.	
Transistor	
Q9001	B-1
Q9002	C-2
Q9003	C-2
Q9004	C-3
Q9005	A-3
Q9006	A-1
Q9007	A-2
Q9008	C-2
Q9009	C-2
Q9010	D-3
Q9011	D-2
Q9012	D-1
Q9013	C-1
Q9014	C-2
Q9015	C-2
Q9016	C-2
Q9017	D-2
Q9018	D-3
Q9019	C-3
Q9020	C-3
Q9021	C-3
Q9022	C-3
Q9023	D-4
Q9024	B-5
Transistor & Resistor	
QR9001	A-3
QR9004	A-3
QR9007	C-2
QR9008	A-5
QR9010	A-5
QR9011	D-5
QR9012	C-5
Integrated Circuit	
IC9001	B-2
IC9002	D-2
IC9003	D-3
IC9004	C-4
IC9005	D-4
IC9006	A-4
IC9007	C-5
IC9008	D-5
IC9009	B-5
Test Point	
TP9001	B-5
Adjustment	
VR9001	A-3
VR9002	A-3
VR9003	D-3
VR9004	D-3
VR9005	D-3
VR9006	D-3
Connector	
P9001	C-1
P9002	B-1
P9003	C-1

ADDRESS INFORMATION

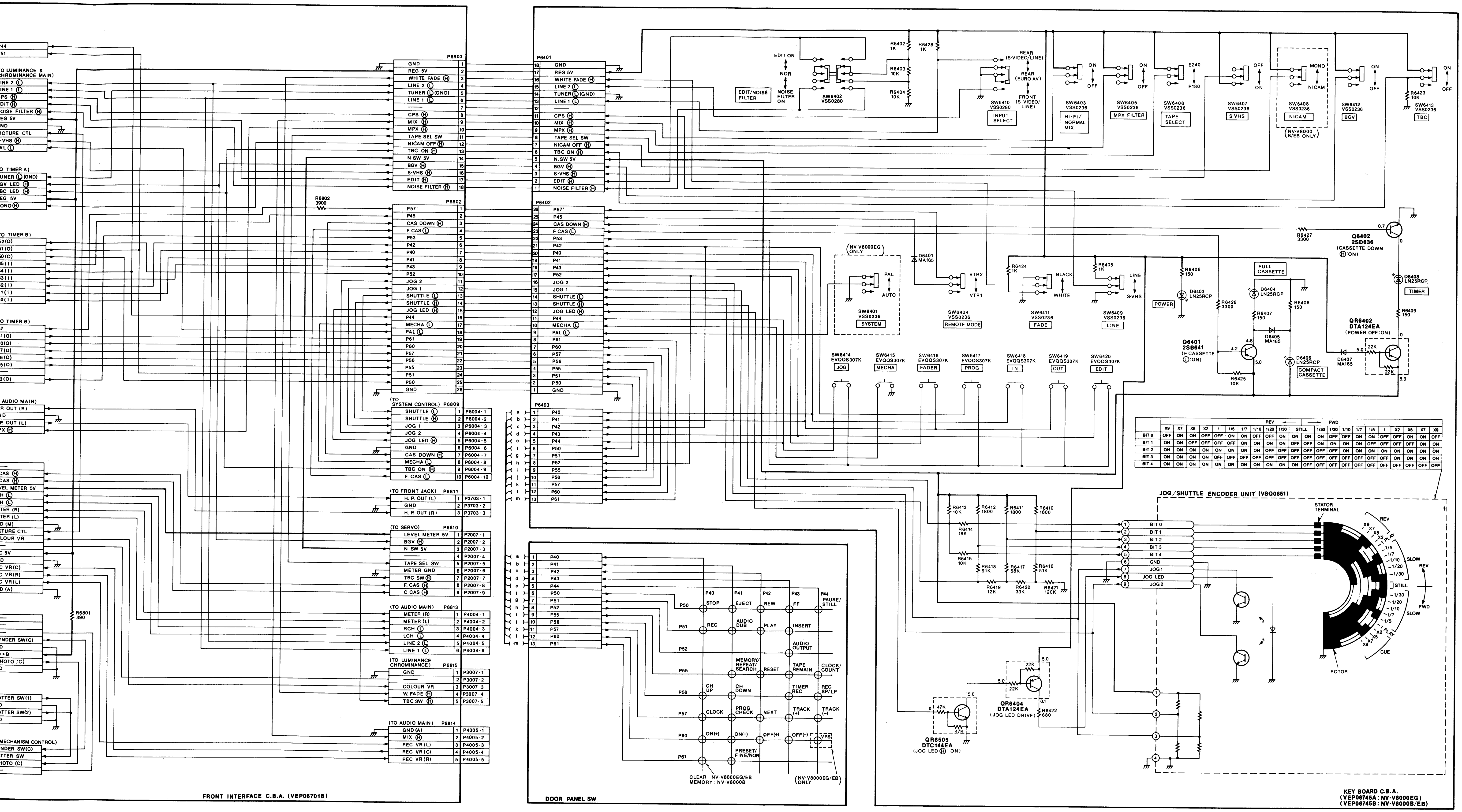
Next Page:
FRONT INTERFACE Section

3-45. FRONT INTERFACE & KEY BOARD SCHEMATIC DIAGRAM


POWER
SW6701
EVQQS307K
P6702
P44
P51
TP CLK
TP TLK
TP LSN
TP CURVE
(NO CONNECTION) P6703
AFC S-CURVE
TIMER BUS LSN
TIMER BUS TLK
TIMER BUS CLK
GND
IR RECEIVER UNIT (VEK5395)
L6701 100µ
C6701 6V220
(TO TIMER B) P6701
N. SW 5V
IR
OPERATION C.B.A. (VEP00Q25A)
SHUTTER SW UNIT (VXA4160)
SW1
SW2
COMPACT CASSETTE BLINDER SENSOR
COMPACT CASSETTE PHOTO TR.(T)
COMPACT CASSETTE BLINDER SENSOR FLEXBLE CABLE UNIT(VEK5099)
LEVEL METER UNIT (VEK4842)
COMPACT CASSETTE
FULL CASSETTE
D6502 LN31GCPHL
D6501 LN31GCPHL
D6504 LN41YC-PHL
D6503 LN41YC-PHL
P6501
VR6501 5KB
VR6502 5KB
LCH METER
RCH METER
VR6504 20KB
VR6505 20KB
PICTURE
COLOUR
VR6503 50KJ
REC VR
R6504 4700
R6503 560
R6502 560
R6505 2700
R6501 4700
C6501 0.01
TO BOTTOM PLATE
FRONT VR C.B.A. (VEP06702B)
P6808
P6816 (TO LUMINANCE & CHROMINANCE MAIN)
P6807 (TO TIMER A)
P6806 (TO TIMER B)
P6805 (TO TIMER B)
P6812 (TO AUDIO MAIN)
P6804
P6819
P6818
P6817 (TO MECHANISM CONTROL)
R6802 3900
R6801 390
P6803
P6802
(TO SYSTEM CONTROL) P6809
(TO FRONT JACK) P6811
(TO SERVO) P6810
(TO AUDIO MAIN) P6813
(TO LUMINANCE CHROMINANCE) P6815
(TO AUDIO MAIN) P6814
FRONT INTERFACE C.B.A. (VEP06701B)
P6401
P6402
P6403
EDIT ON
NOR
NOISE FILTER ON
EDIT/NOISE FILTER
SW6402 VSS0280
R6402 1K
R6403 10K
R6404 10K
(NV-V8000EG) ONLY
PAL
AUTO
SW6401 VSS0236
SYSTEM
SW6414 EVQQS307K
JOG
SW6415 EVQQS307K
MECHA
STOP
EJECT
REW
FF
PAUSE/STILL
REC
AUDIO DUB
PLAY
INSERT
AUDIO OUTPUT
MEMORY/REPEAT/SEARCH
RESET
TAPE REMAIN
CLOCK/COUNT
CH UP
CH DOWN
TIMER REC
REC SP/LP
CLOCK
PROG CHECK
NEXT
TRACK (+)
TRACK (-)
ON(+)
ON(-)
OFF(+)
OFF(-)
VPS
PRESET/FINE/NOR
CLEAR : NV-V8000EG/EB
MEMORY : NV-V8000B
(NV-V8000EG/EB) ONLY
DOOR PANEL SW

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM

AGRAM



P44
51
TO LUMINANCE & CHROMINANCE MAIN)
LINE 2 Ⓛ
LINE 1 Ⓛ
CPS Ⓗ
EDIT Ⓗ
NOISE FILTER Ⓗ
REG 5V
GND
PICTURE CTL
S-VHS Ⓗ
PAL Ⓛ
TO TIMER A)
TUNER Ⓛ (GND)
BGV LED Ⓗ
TBC LED Ⓗ
REG 5V
MONO Ⓗ
TO TIMER B)
TO TIMER B)
AUDIO MAIN)
H. P. OUT (R)
GND
H. P. OUT (L)
MIX Ⓗ
CAS Ⓗ
CAS Ⓗ
LEVEL METER 5V
METER (R)
METER (L)
GND (M)
PICTURE CTL
COLOUR VR
C 5V
GND
REC VR (C)
REC VR (R)
REC VR (L)
GND (A)
CYLINDER SW (C)
GND
+B
PHOTO (C)
SHUTTER SW (1)
GND
SHUTTER SW (2)
GND
MECHANISM CONTROL)
CYLINDER SW (C)
SHUTTER SW
PHOTO (C)
R6801 390
R6802 3900
P6803
GND 1
REG 5V 2
WHITE FADE Ⓗ 3
LINE 2 Ⓛ 4
TUNER Ⓛ (GND) 5
LINE 1 Ⓛ 6
7
CPS Ⓗ 8
MIX Ⓗ 9
MPX Ⓗ 10
TAPE SEL SW 11
NICAM OFF Ⓗ 12
TBC ON Ⓗ 13
N.SW 5V 14
BGV Ⓗ 15
S-VHS Ⓗ 16
EDIT Ⓗ 17
NOISE FILTER Ⓗ 18
P6802
P57' 1
P45 2
CAS DOWN Ⓗ 3
F.CAS Ⓛ 4
P53 5
P42 6
P40 7
P41 8
P43 9
P52 10
JOG 2 11
JOG 1 12
SHUTTLE Ⓛ 13
SHUTTLE Ⓗ 14
JOG LED Ⓗ 15
P44 16
MECHA Ⓛ 17
PAL Ⓛ 18
P61 19
P60 20
P57 21
P56 22
P55 23
P51 24
P50 25
GND 26
(TO SYSTEM CONTROL) P6809
SHUTTLE Ⓛ 1 P6004-1
SHUTTLE Ⓗ 2 P6004-2
JOG 1 3 P6004-3
JOG 2 4 P6004-4
JOG LED Ⓗ 5 P6004-5
GND 6 P6004-6
CAS DOWN Ⓗ 7 P6004-7
MECHA Ⓛ 8 P6004-8
TBC ON Ⓗ 9 P6004-9
F. CAS Ⓛ 10 P6004-10
(TO FRONT JACK) P6811
H. P. OUT (L) 1 P3703-1
GND 2 P3703-2
H. P. OUT (R) 3 P3703-3
(TO SERVO) P6810
LEVEL METER 5V 1 P2007-1
BGV Ⓗ 2 P2007-2
N. SW 5V 3 P2007-3
4 P2007-4
TAPE SEL SW 5 P2007-5
METER GND 6 P2007-6
TBC SW Ⓗ 7 P2007-7
F. CAS Ⓗ 8 P2007-8
C. CAS Ⓗ 9 P2007-9
(TO AUDIO MAIN) P6813
METER (R) 1 P4004-1
METER (L) 2 P4004-2
RCH Ⓛ 3 P4004-3
LCH Ⓛ 4 P4004-4
LINE 2 Ⓛ 5 P4004-5
LINE 1 Ⓛ 6 P4004-6
(TO LUMINANCE CHROMINANCE) P6815
GND 1 P3007-1
2 P3007-2
COLOUR VR 3 P3007-3
W. FADE Ⓗ 4 P3007-4
TBC SW Ⓗ 5 P3007-5
(TO AUDIO MAIN) P6814
GND (A) 1 P4005-1
MIX Ⓗ 2 P4005-2
REC VR (L) 3 P4005-3
REC VR (C) 4 P4005-4
REC VR (R) 5 P4005-5
FRONT INTERFACE C.B.A. (VEP06701B)
P6401
18 GND
17 REG 5V
16 WHITE FADE Ⓗ
15 LINE 2 Ⓛ
14 TUNER Ⓛ (GND)
13 LINE 1 Ⓛ
12
11 CPS Ⓗ
10 MIX Ⓗ
9 MPX Ⓗ
8 TAPE SEL SW
7 NICAM OFF Ⓗ
6 TBC ON Ⓗ
5 N.SW 5V
4 BGV Ⓗ
3 S-VHS Ⓗ
2 EDIT Ⓗ
1 NOISE FILTER Ⓗ
P6402
26 P57'
25 P45
24 CAS DOWN Ⓗ
23 F.CAS Ⓛ
22 P53
21 P42
20 P40
19 P41
18 P43
17 P52
16 JOG 2
15 JOG 1
14 SHUTTLE Ⓛ
13 SHUTTLE Ⓗ
12 JOG LED Ⓗ
11 P44
10 MECHA Ⓛ
9 PAL Ⓛ
8 P61
7 P60
6 P57
5 P56
4 P55
3 P51
2 P50
1 GND
P6403
a 1 P40
b 2 P41
c 3 P42
d 4 P43
e 5 P44
f 6 P50
g 7 P51
h 8 P52
i 9 P55
j 10 P56
k 11 P57
l 12 P60
m 13 P61
1 P40
2 P41
3 P42
4 P43
5 P44
6 P50
7 P51
8 P52
9 P55
10 P56
11 P57
12 P60
13 P61
P40
P41
P42
P43
P44
P50
P51
P52
P55
P56
P57
P60
P61
STOP
EJECT
REW
FF
PAUSE/ STILL
REC
AUDIO DUB
PLAY
INSERT
AUDIO OUTPUT
MEMORY/ REPEAT/ SEARCH
RESET
TAPE REMAIN
CLOCK/ COUNT
CH UP
CH DOWN
TIMER REC
REC SP/LP
CLOCK
PROG CHECK
NEXT
TRACK (+)
TRACK (−)
ON(+)
ON(−)
OFF(+)
OFF(−)
VPS
PRESET/ FINE/NOR
CLEAR : NV-V8000EG/EB
MEMORY : NV-V8000B
(NV-V8000EG/EB) ONLY
DOOR PANEL SW
EDIT ON
NOR
NOISE FILTER ON
EDIT/NOISE FILTER
SW6402 VSS0280
R6402 1K
R6428 1K
R6403 10K
R6404 10K
REAR (S-VIDEO/LINE)
REAR (EURO AV)
FRONT (S-VIDEO/ LINE)
SW6410 VSS0280
INPUT SELECT
ON
OFF
SW6403 VSS0236
HI-FI/ NORMAL MIX
ON
OFF
SW6405 VSS0236
MPX FILTER
E240
E180
SW6406 VSS0236
TAPE SELECT
OFF
ON
SW6407 VSS0236
S-VHS
MONO
NICAM
SW6408 VSS0236
NICAM
(NV-V8000 B/EB ONLY)
ON
OFF
SW6412 VSS0236
BGV
ON
OFF
R6423 10K
SW6413 VSS0236
TBC
0.7
Q6402 2SD636 (CASSETTE DOWN Ⓗ: ON)
0
R6427 3300
(NV-V8000EG) ONLY
PAL
AUTO
SW6401 VSS0236
SYSTEM
D6401 MA165
VTR2
VTR1
SW6404 VSS0236
REMOTE MODE
R6424 1K
BLACK
WHITE
SW6411 VSS0236
FADE
R6405 1K
LINE
S-VHS
SW6409 VSS0236
LINE
R6406 150
D6403 LN25RCP
POWER
R6426 3300
FULL CASSETTE
D6404 LN25RCP
R6407 150
R6408 150
D6405 MA165
D6408 LN25RCP
TIMER
R6409 150
QR6402 DTA124EA (POWER OFF : ON)
22K
22K
5.0
D6407 MA165
D6406 LN25RCP
COMPACT CASSETTE
Q6401 2SB641 (F.CASSETTE Ⓛ: ON)
4.8
4.2
5.0
R6425 10K
SW6414 EVQQS307K
JOG
SW6415 EVQQS307K
MECHA
SW6416 EVQQS307K
FADER
SW6417 EVQQS307K
PROG
SW6418 EVQQS307K
IN
SW6419 EVQQS307K
OUT
SW6420 EVQQS307K
EDIT
R6413 10K
R6412 1800
R6411 1800
R6410 1800
R6414 18K
R6415 10K
R6418 91K
R6417 68K
R6416 51K
R6419 12K
R6420 33K
R6421 120K
JOG/SHUTTLE ENCODER UNIT (VSQ0651)
1 BIT 0
2 BIT 1
3 BIT 2
4 BIT 3
5 BIT 4
6 GND
7 JOG 1
8 JOG LED
9 JOG 2
STATOR TERMINAL
REV
X9
X7
X5
X2
PLAY
1/5
1/7
1/10
1/20
1/30
STILL
SLOW
REV
FWD
SLOW
CUE
ROTOR
1
2
3
4
QR6404 DTA124EA (JOG LED DRIVE)
22K
22K
5.0
0.1
R6422 680
QR6505 DTC144EA (JOG LED Ⓗ : ON)
47K
47K
KEY BOARD C.B.A.
(VEP06745A : NV-V8000EG)
(VEP06745B : NV-V8000B/EB)

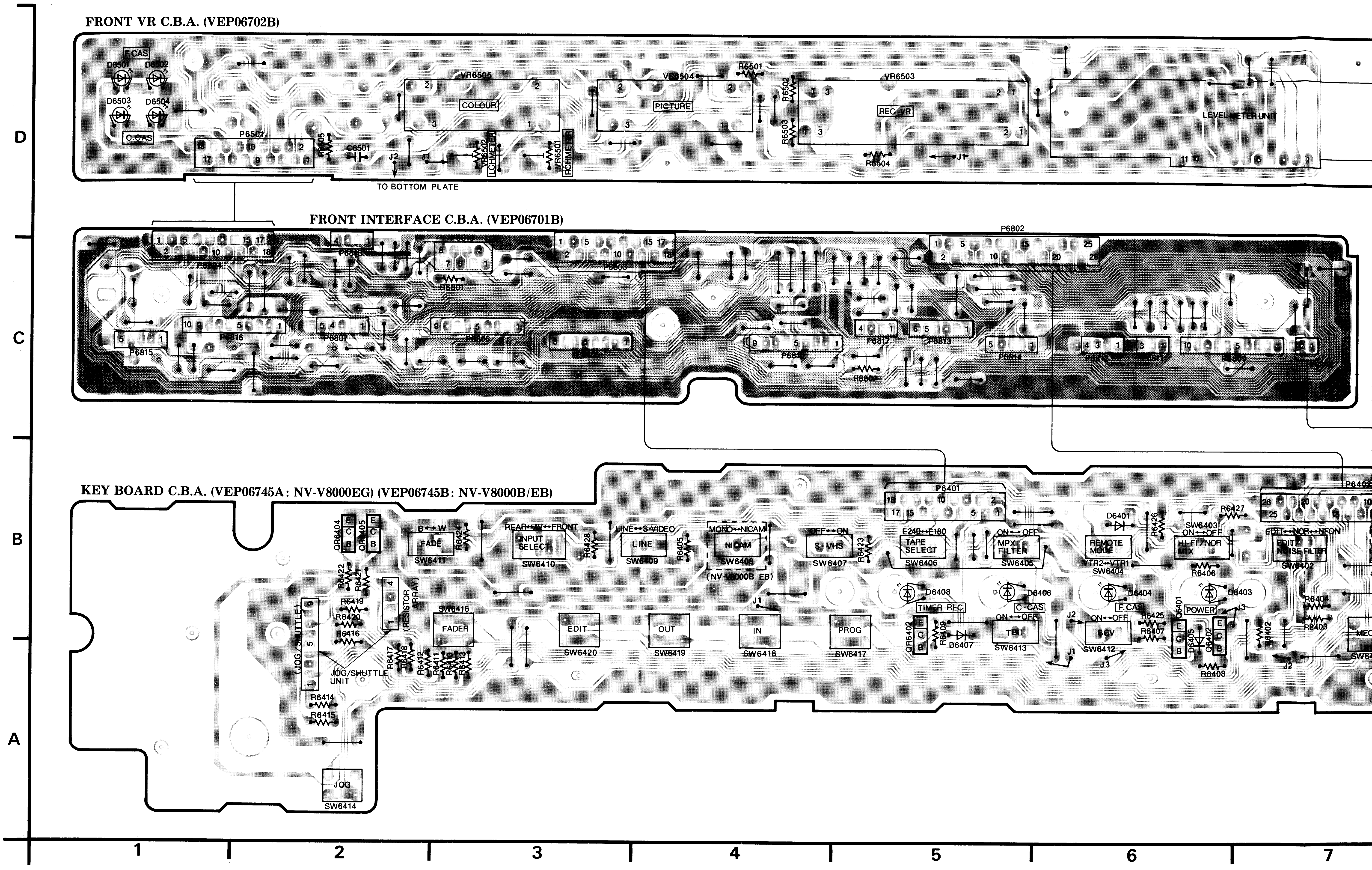
	REV ←										→ FWD											
	X9	X7	X5	X2	1	1/5	1/7	1/10	1/20	1/30	STILL		1/30	1/20	1/10	1/7	1/5	1	X2	X5	X7	X9
BIT 0	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF
BIT 1	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON
BIT 2	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON
BIT 3	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON
BIT 4	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE. (FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

6 7 8 9 10 11 12 13 14 15 16 17

3-46. FRONT INTERFACE C.B.A. (VEP06701B) & KEY BOARD C.B.A. (VEP06745A: NV-V8000EG) (VEP06745B: NV-V8000B/EB)

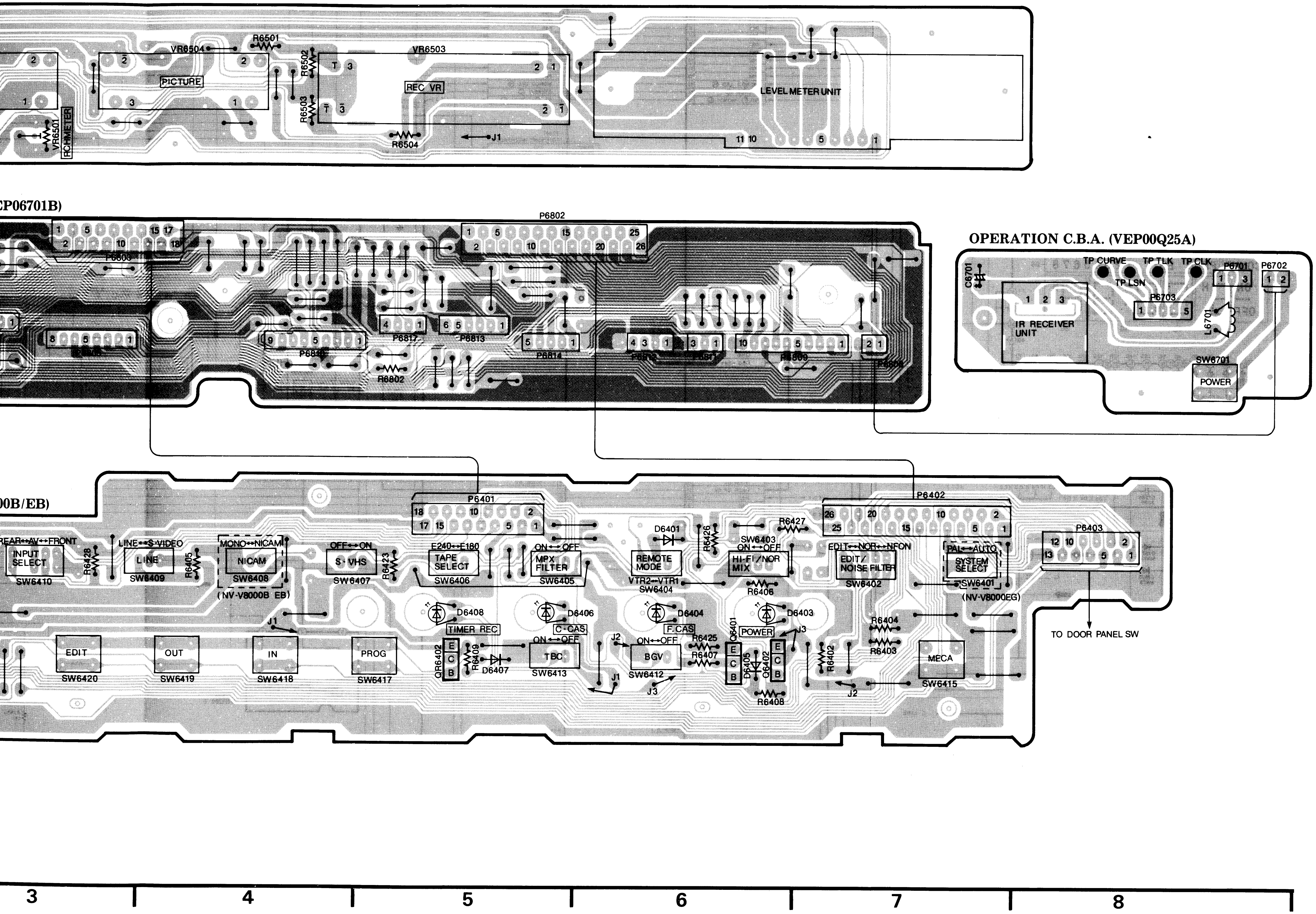

FRONT VR C.B.A. (VEP06702B)

FRONT INTERFACE C.B.A. (VEP06701B)

KEY BOARD C.B.A. (VEP06745A: NV-V8000EG) (VEP06745B: NV-V8000B/EB)

D
C
B
A
1
2
3
4
5
6
7
F.CAS
D6501
D6502
D6503
D6504
C.CAS
P6501
R6505
C6501
J2
J1
TO BOTTOM PLATE
VR6505
COLOUR
VR6502
LCHMETER
VR6501
RCHMETER
VR6504
PICTURE
R6501
R6502
R6503
VR6503
REC VR
R6504
LEVEL METER UNIT
P6803
P6818
P6819
R6801
P6808
P6802
P6815
P6816
P6807
P6806
P6804
R6802
P6817
P6813
P6814
P6812
P6811
P6809
P6401
P6402
QR6404
QR6405
FADE
SW6411
R6424
REAR↔AV↔FRONT
INPUT SELECT
SW6410
R6428
LINE↔S-VIDEO
LINE
SW6409
R6405
MONO↔NICAM
NICAM
SW6408
(NV-V8000B EB)
OFF↔ON
S-VHS
SW6407
R6423
E240↔E180
TAPE SELECT
SW6406
ON↔OFF
MPX FILTER
SW6405
D6401
REMOTE MODE
VTR2↔VTR1
SW6404
R6426
SW6403
ON↔OFF
HI-FI/NOR MIX
R6406
R6427
EDIT↔NOR↔NFON
EDIT/NOISE FILTER
SW6402
R6422
R6421
R6419
R6420
R6416
(RESISTOR ARRAY)
(JOG/SHUTTLE)
JOG/SHUTTLE UNIT
R6417
R6418
R6412
R6411
R6410
R6413
R6414
R6415
SW6416
FADER
EDIT
SW6420
OUT
SW6419
IN
SW6418
PROG
SW6417
D6408
TIMER REC
QR6402
R6409
D6407
D6406
C-CAS
ON↔OFF
TBC
SW6413
J1
J2
J3
D6404
F.CAS
ON↔OFF
BGV
SW6412
R6425
R6407
Q6401
D6405
Q6402
D6403
POWER
R6408
R6402
R6404
R6403
JOG
SW6414

ARD C.B.A. (VEP06745A: NV-V8000EG) (VEP06745B: NV-V8000B/EB)


VR6504
R6501
VR6503
PICTURE
R6502
R6503
REC VR
LEVEL METER UNIT
VR6501
RCH METER
R6504
J1
EP06701B)
P6802
P6803
P6817
P6813
P6816
R6802
P6814
P6812
P6811
P6809
P6808
OPERATION C.B.A. (VEP00Q25A)
C6701
TP CURVE
TP TLK
TP CLK
TP LSN
P6701
P6702
P6703
IR RECEIVER UNIT
L6701
SW6701
POWER
00B/EB)
P6401
P6402
P6403
REAR↔AV↔FRONT
INPUT SELECT
SW6410
R6428
LINE↔S-VIDEO
LINE
SW6409
R6405
MONO↔NICAM
NICAM
SW6408
(NV-V8000B EB)
OFF↔ON
S-VHS
SW6407
R6423
E240↔E180
TAPE SELECT
SW6406
ON↔OFF
MPX FILTER
SW6405
D6401
REMOTE MODE
VTR2↔VTR1
SW6404
R6426
SW6403
ON↔OFF
HI-FI/NOR MIX
R6406
R6427
EDIT↔NOR↔NFON
EDIT/ NOISE FILTER
SW6402
PAL↔AUTO
SYSTEM SELECT
SW6401
(NV-V8000EG)
D6408
TIMER REC
D6406
C-CAS
D6404
F.CAS
D6403
POWER
R6404
R6403
TO DOOR PANEL SW
EDIT
SW6420
OUT
SW6419
IN
SW6418
PROG
SW6417
QR6402
R6409
D6407
ON↔OFF
TBC
SW6413
J2
ON↔OFF
BGV
SW6412
J3
R6425
R6407
Q6401
D6405
Q6402
R6408
R6402
MECA
SW6415
3
4
5
6
7
8

FRONT INTERFACE & KEY BOARD C.B.A.	
Transistor	
Q6401	B-6
Q6402	B-6
Transistor & Resistor	
QR6402	B-5
QR6404	B-2
QR6405	B-2
Adjustment	
VR6501	D-3
VR6502	D-3
VR6503	D-5
VR6504	D-4
VR6505	D-3
Connector	
P6401	B-5
P6402	B-7
P6403	B-8
P6501	D-2
P6701	C-8
P6702	C-8
P6703	C-8
P6802	C-5
P6803	C-3
P6804	C-1
P6805	C-3
P6806	C-3
P6807	C-2
P6808	C-7
P6809	C-6
P6810	C-4
P6811	C-6
P6812	C-6
P6813	C-5
P6814	C-5
P6815	C-1
P6816	C-1
P6817	C-5
P6818	C-2
P6819	C-3

ADDRESS INFORMATION

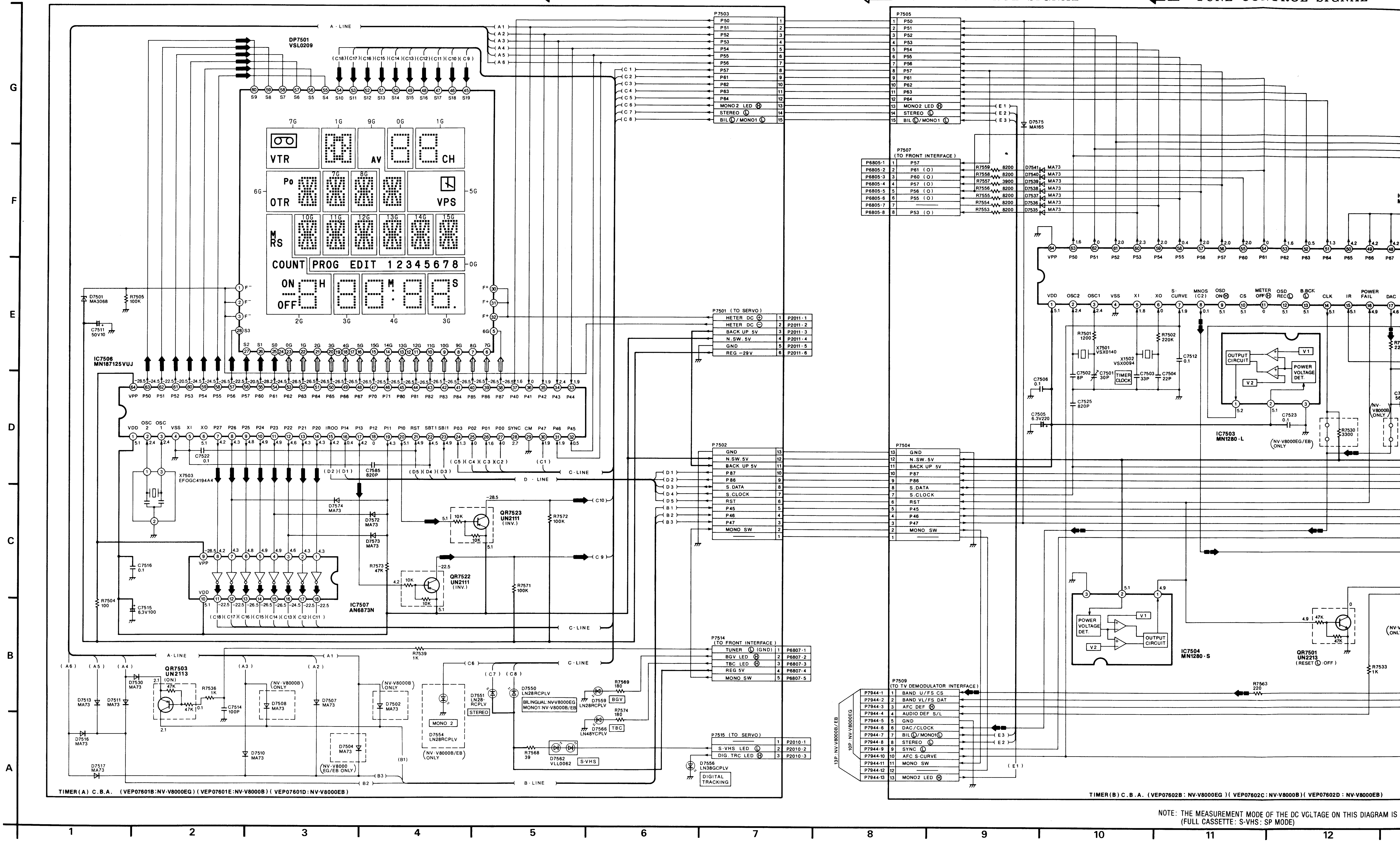
Next Page:
TIMER Section

3-47. TIMER (A) & TIMER (B) SCHEMATIC DIAGRAM

◀ SEGMENT CONTROL SIGNAL

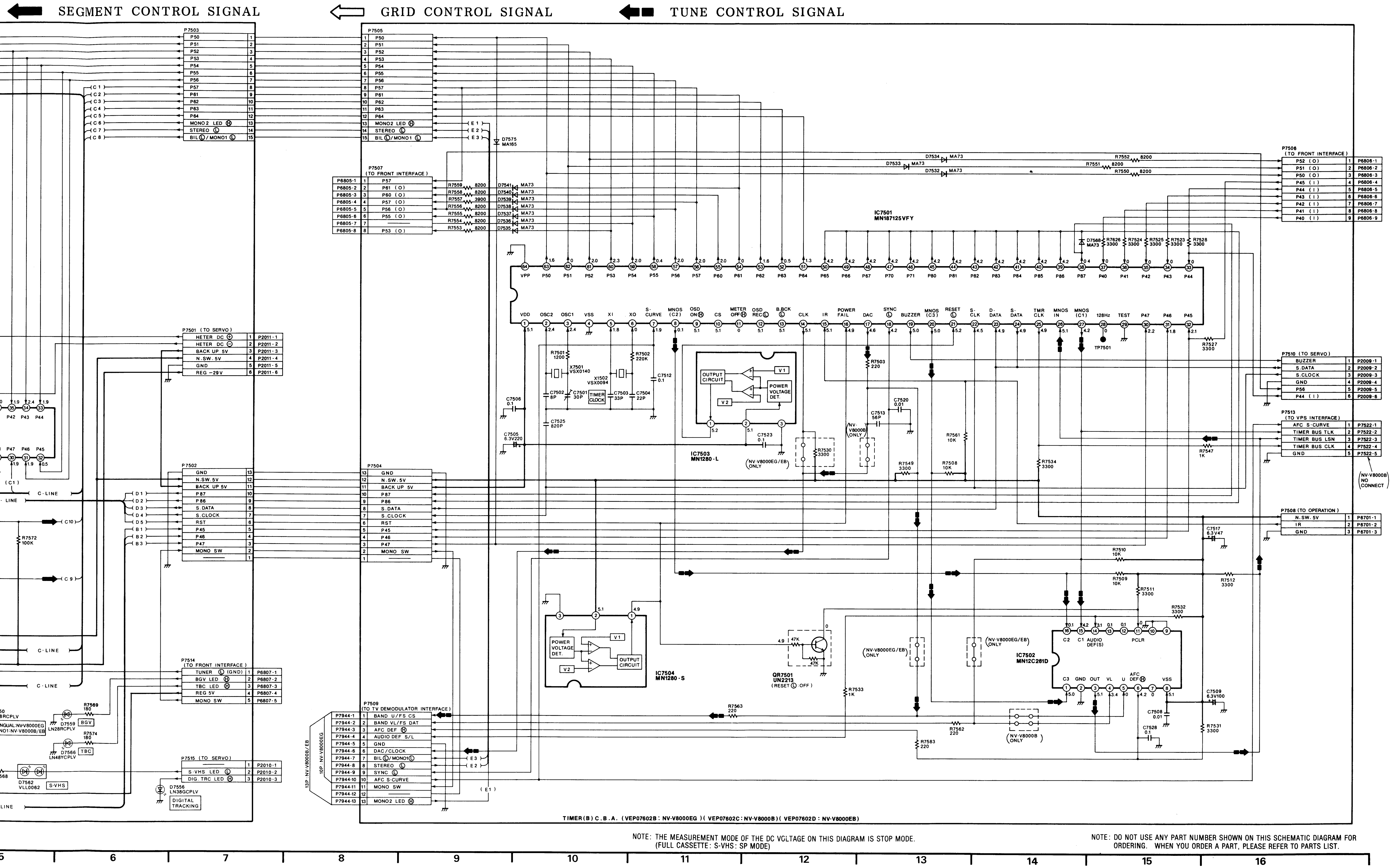
⇦ GRID CONTROL SIGNAL

◀■ TUNE CONTROL SIGNAL



DP7501
VSL0209
IC7506
MN187125VUJ
IC7507
AN6873N
IC7503
MN1280-L
IC7504
MN1280-S
QR7523
UN2111
(INV.)
QR7522
UN2111
(INV.)
QR7503
UN2113
(ON)
QR7501
UN2213
(RESET Ⓛ: OFF)
X7503
EFOGC4194A4
X7501
VSX0140
X1502
VSX0094
P7503
P7505
P7507
(TO FRONT INTERFACE)
P7501 (TO SERVO)
P7502
P7504
P7514
(TO FRONT INTERFACE)
P7515 (TO SERVO)
P7509
(TO TV DEMODULATOR INTERFACE)
A-LINE
B-LINE
C-LINE
D-LINE
VTR
AV
CH
OTR
VPS
COUNT
PROG EDIT 12345678
ON
OFF
OUTPUT CIRCUIT
POWER VOLTAGE DET.
TIMER(A) C.B.A. (VEP07601B:NV-V8000EG)(VEP07601E:NV-V8000B)(VEP07601D:NV-V8000EB)
TIMER(B) C.B.A. (VEP07602B: NV-V8000EG)(VEP07602C: NV-V8000B)(VEP07602D: NV-V8000EB)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

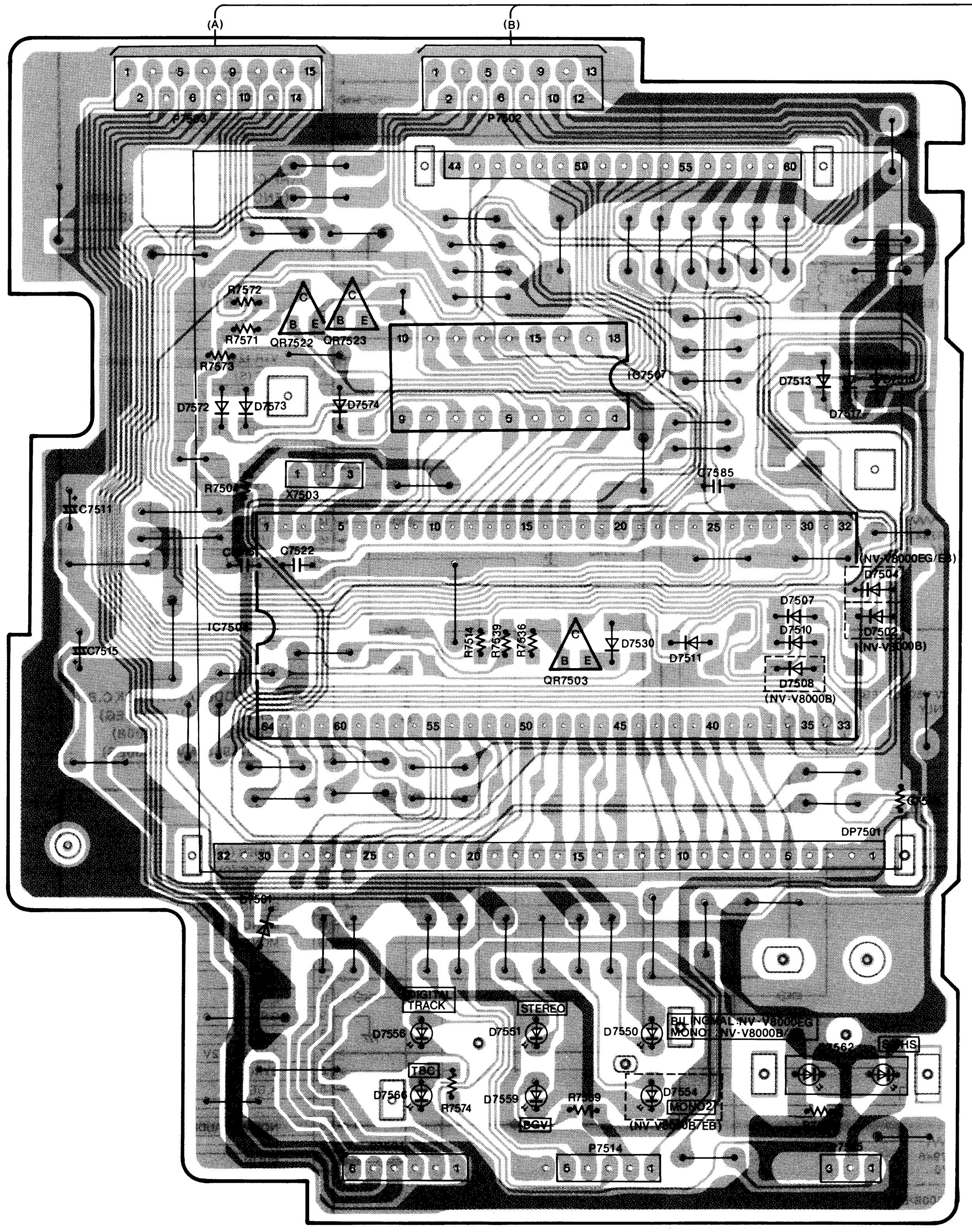
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS
(FULL CASSETTE: S-VHS: SP MODE)


SEGMENT CONTROL SIGNAL
GRID CONTROL SIGNAL
TUNE CONTROL SIGNAL
P7503
P7505
P7507 (TO FRONT INTERFACE)
P7506 (TO FRONT INTERFACE)
IC7501
MN187125VFY
VPP
VDD
OSC2
OSC1
VSS
XI
XO
S-CURVE
CLK
IR
POWER FAIL
DAC
SYNC
BUZZER
RESET
S-CLK
D-DATA
S-DATA
TMR CLK
128Hz
TEST
P7501 (TO SERVO)
HETER DC ⊕
HETER DC ⊖
BACK UP 5V
N.SW.5V
GND
REG −29V
P7502
P7504
N.SW.5V
BACK UP 5V
S.DATA
S.CLOCK
RST
MONO SW
P7510 (TO SERVO)
BUZZER
S.DATA
S.CLOCK
P7513 (TO VPS INTERFACE)
AFC S-CURVE
TIMER BUS TLK
TIMER BUS LSN
TIMER BUS CLK
(NV-V8000B NO CONNECT)
P7508 (TO OPERATION)
IC7503
MN1280-L
OUTPUT CIRCUIT
POWER VOLTAGE DET.
IC7504
MN1280-S
QR7501
UN2213
(RESET Ⓛ OFF)
IC7502
MN12C261D
P7514 (TO FRONT INTERFACE)
TUNER Ⓛ (GND)
BGV LED Ⓗ
TBC LED Ⓗ
REG 5V
P7515 (TO SERVO)
S-VHS LED Ⓛ
DIG. TRC LED Ⓗ
DIGITAL TRACKING
P7509 (TO TV DEMODULATOR INTERFACE)
BAND U/FS CS
BAND VL/FS DAT
AFC DEF Ⓗ
AUDIO DEF S/L
DAC/CLOCK
BIL Ⓛ/MONO1 Ⓛ
STEREO Ⓛ
SYNC Ⓛ
MONO2 LED Ⓗ
(NV-V8000EG/EB) ONLY
(NV-V8000B) ONLY
C-LINE
TIMER(B) C.B.A. (VEP07602B: NV-V8000EG)(VEP07602C: NV-V8000B)(VEP07602D: NV-V8000EB)
5
6
7
8
9
10
11
12
13
14
15
16

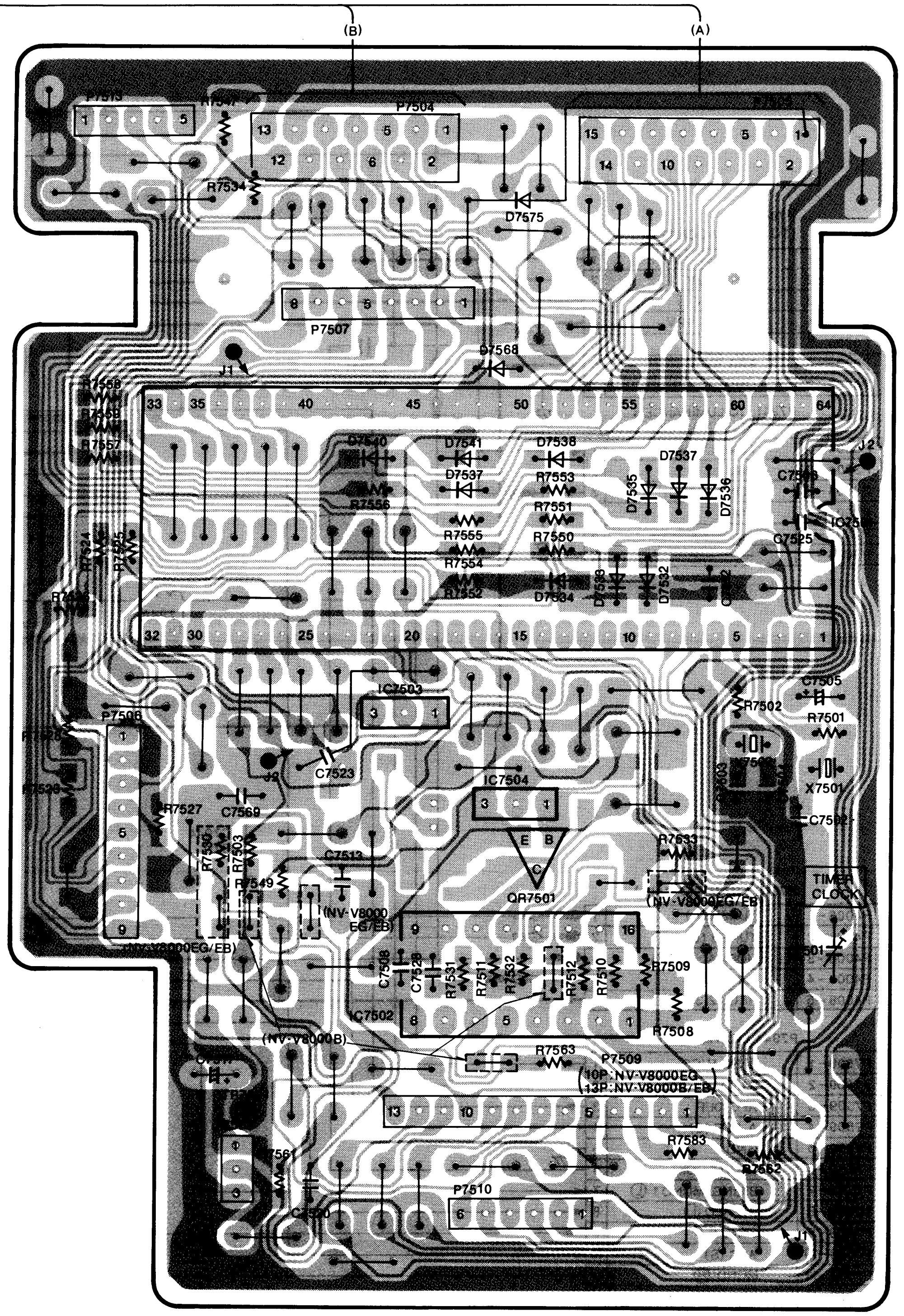
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.
(FULL CASSETTE: S-VHS: SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-48. TIMER (A) C.B.A. (VEP07601B: NV-V8000EG) (VEP07601E: NV-V8000B) (VEP07601D: NV-V8000EB) & TIMER (B) C.B.A. (VEP07602B: NV-V8000EG) (VEP07602C: NV-V8000B) (VEP07602D: NV-V8000EB)


E
D
C
B
A
1
2
3
4
(A)
(B)
P7503
P7502
R7572
R7571
R7573
QR7522
QR7523
IC7507
D7572
D7573
D7574
D7513
D7517
R7501
X7503
C7511
C7522
C7515
IC7506
R7536
R7539
QR7503
D7530
D7511
D7507
D7510
D7504
D7502
D7508
(NV-V8000EG/EB)
(NV-V8000B)
DP7501
C7501
TRACK
STEREO
D7556
D7551
D7550
NORMAL: NV-V8000EG
MONO1: NV-V8000B/EB
D7562
SP/HS
TBC
D7586
R7574
D7559
R7589
D7554
MONO2
(NV-V8000B/EB)
DCV
P7514
P7515

TIMER (A) C.B.A.
(VEP07601B: NV-V8000EG) (VEP07601E: NV-V8000B)
(VEP07601D: NV-V8000EB)

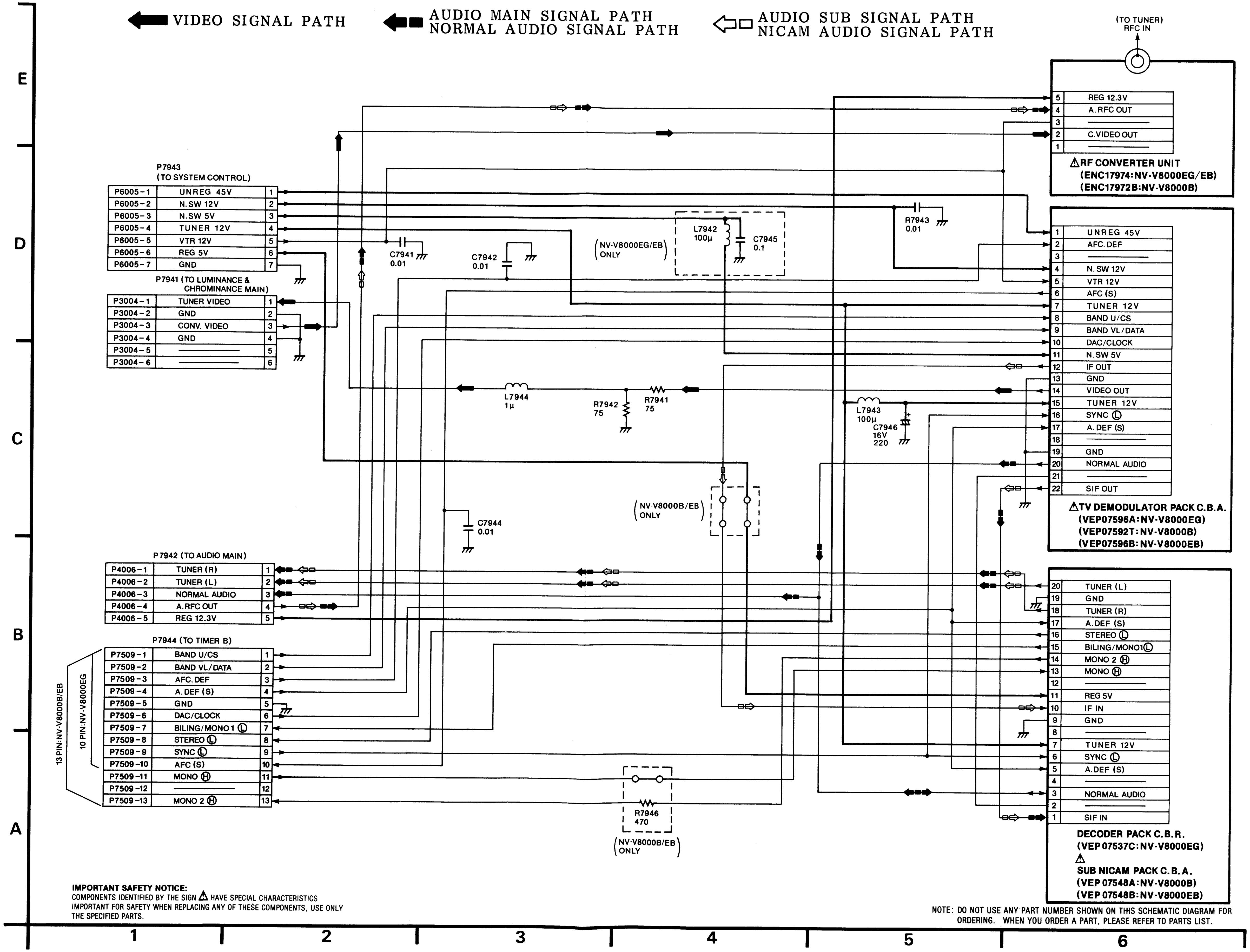

5
6
7
(B)
(A)
P7513
R7534
P7504
P7505
D7575
P7507
J1
D7568
D7541
D7538
D7537
D7535
D7536
R7553
R7551
R7555
R7550
R7554
R7552
D7584
D7532
C7509
J2
C7525
IC7501
IC7503
C7523
IC7504
QR7501
R7502
C7505
R7501
X7501
C7502
R7527
C7569
C7513
R7549
(NV-V8000EG/EB)
R7533
TIMER CLOCK
R7509
R7508
IC7502
R7563
P7509
(10P: NV-V8000EG)
(13P: NV-V8000B/EB)
R7583
P7510
R7561
(NV-V8000B)
P7506
P7508

TIMER (B) C.B.A.
(VEP07602B: NV-V8000EG) (VEP07602C: NV-V8000B)
(VEP07602D: NV-V8000EB)

TIMER (A), (B) C.B.A.	
Transistor & Resistor	
QR7501	C-6
QR7503	C-3
QR7522	D-2
QR7523	D-2
Integrated Circuit	
IC7501	D-6
IC7502	B-6
IC7503	C-6
IC7504	C-6
IC7506	C-2
IC7507	D-3
Test Point	
TP7501	B-5
Adjustment	
C7501	B-7
Connector	
P7501	A-2
P7502	E-3
P7503	E-1
P7504	E-5
P7505	E-6
P7506	C-5
P7507	D-5
P7508	B-5
P7509	B-6
P7510	B-6
P7513	E-5
P7514	A-3
P7515	A-4

ADDRESS INFORMATION

3-49. TV DEMODULATOR INTERFACE SCHEMATIC DIAGRAM


VIDEO SIGNAL PATH
AUDIO MAIN SIGNAL PATH
NORMAL AUDIO SIGNAL PATH
AUDIO SUB SIGNAL PATH
NICAM AUDIO SIGNAL PATH
E
D
C
B
A
1
2
3
4
5
6
(TO TUNER)
RFC IN
5 REG 12.3V
4 A.RFC OUT
3
2 C.VIDEO OUT
1
⚠RF CONVERTER UNIT
(ENC17974:NV-V8000EG/EB)
(ENC17972B:NV-V8000B)
P7943
(TO SYSTEM CONTROL)
P6005-1 UNREG 45V 1
P6005-2 N.SW 12V 2
P6005-3 N.SW 5V 3
P6005-4 TUNER 12V 4
P6005-5 VTR 12V 5
P6005-6 REG 5V 6
P6005-7 GND 7
P7941 (TO LUMINANCE & CHROMINANCE MAIN)
P3004-1 TUNER VIDEO 1
P3004-2 GND 2
P3004-3 CONV. VIDEO 3
P3004-4 GND 4
P3004-5 5
P3004-6 6
C7941
0.01
C7942
0.01
(NV-V8000EG/EB ONLY)
L7942
100µ
C7945
0.1
R7943
0.01
L7944
1µ
R7942
75
R7941
75
L7943
100µ
C7946
16V
220
(NV-V8000B/EB ONLY)
C7944
0.01
1 UNREG 45V
2 AFC.DEF
3
4 N.SW 12V
5 VTR 12V
6 AFC (S)
7 TUNER 12V
8 BAND U/CS
9 BAND VL/DATA
10 DAC/CLOCK
11 N.SW 5V
12 IF OUT
13 GND
14 VIDEO OUT
15 TUNER 12V
16 SYNC Ⓛ
17 A.DEF (S)
18
19 GND
20 NORMAL AUDIO
21
22 SIF OUT
⚠TV DEMODULATOR PACK C.B.A.
(VEP07596A:NV-V8000EG)
(VEP07592T:NV-V8000B)
(VEP07596B:NV-V8000EB)
P7942 (TO AUDIO MAIN)
P4006-1 TUNER (R) 1
P4006-2 TUNER (L) 2
P4006-3 NORMAL AUDIO 3
P4006-4 A.RFC OUT 4
P4006-5 REG 12.3V 5
P7944 (TO TIMER B)
P7509-1 BAND U/CS 1
P7509-2 BAND VL/DATA 2
P7509-3 AFC.DEF 3
P7509-4 A.DEF (S) 4
P7509-5 GND 5
P7509-6 DAC/CLOCK 6
P7509-7 BILING/MONO 1 Ⓛ 7
P7509-8 STEREO Ⓛ 8
P7509-9 SYNC Ⓛ 9
P7509-10 AFC (S) 10
P7509-11 MONO Ⓗ 11
P7509-12 12
P7509-13 MONO 2 Ⓗ 13
13 PIN:NV-V8000B/EB
10 PIN:NV-V8000EG
R7946
470
(NV-V8000B/EB ONLY)
20 TUNER (L)
19 GND
18 TUNER (R)
17 A.DEF (S)
16 STEREO Ⓛ
15 BILING/MONO1Ⓛ
14 MONO 2 Ⓗ
13 MONO Ⓗ
12
11 REG 5V
10 IF IN
9 GND
8
7 TUNER 12V
6 SYNC Ⓛ
5 A.DEF (S)
4
3 NORMAL AUDIO
2
1 SIF IN
DECODER PACK C.B.R.
(VEP07537C:NV-V8000EG)
⚠
SUB NICAM PACK C.B.A.
(VEP 07548A:NV-V8000B)
(VEP 07548B:NV-V8000EB)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

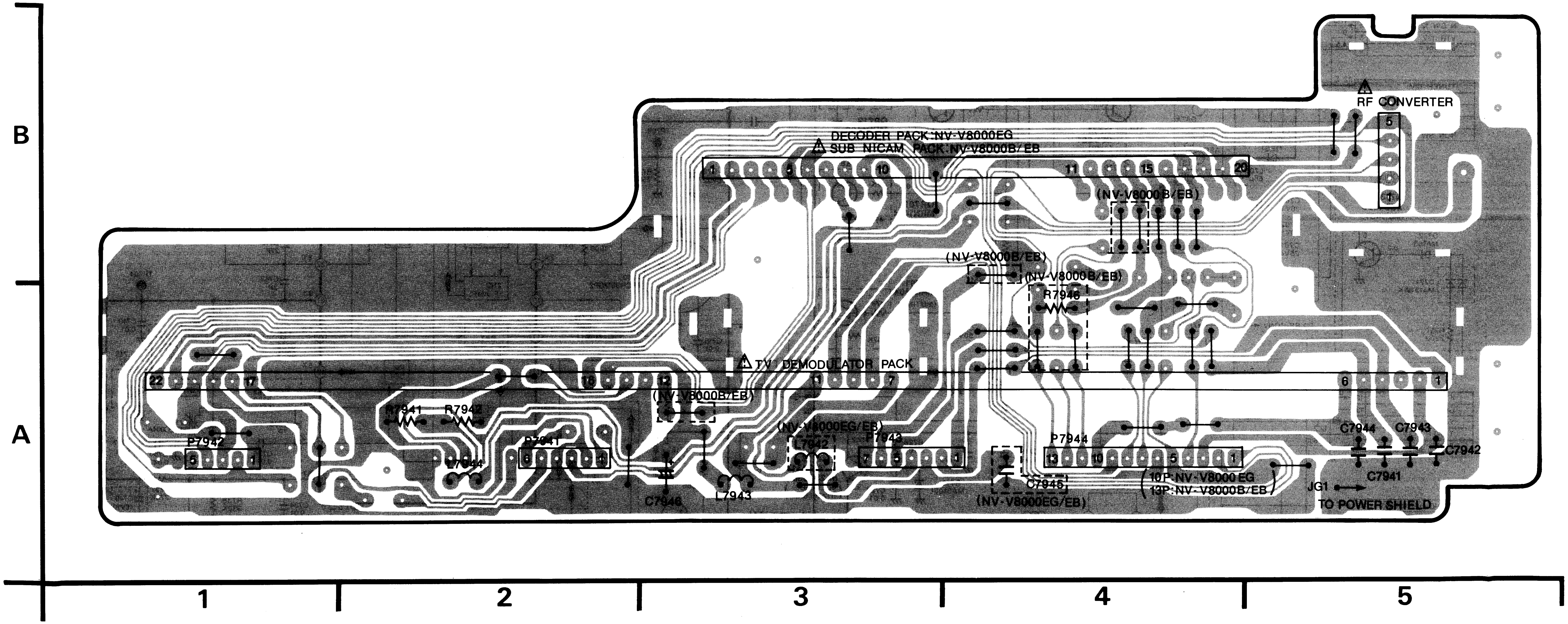
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
TIMER Section

3-50. TV DEMODULATOR INTERFACE C.B.A.
(VEP07586C: NV-V8000EG) (VEP07586E: NV-V8000B) (VEP07586D: NV-V8000EB)

TV DEMODULATOR INTERFACE C.B.A.	
Connector	
P7941	A-2
P7942	A-1
P7943	A-3
P7944	A-4

ADDRESS INFORMATION

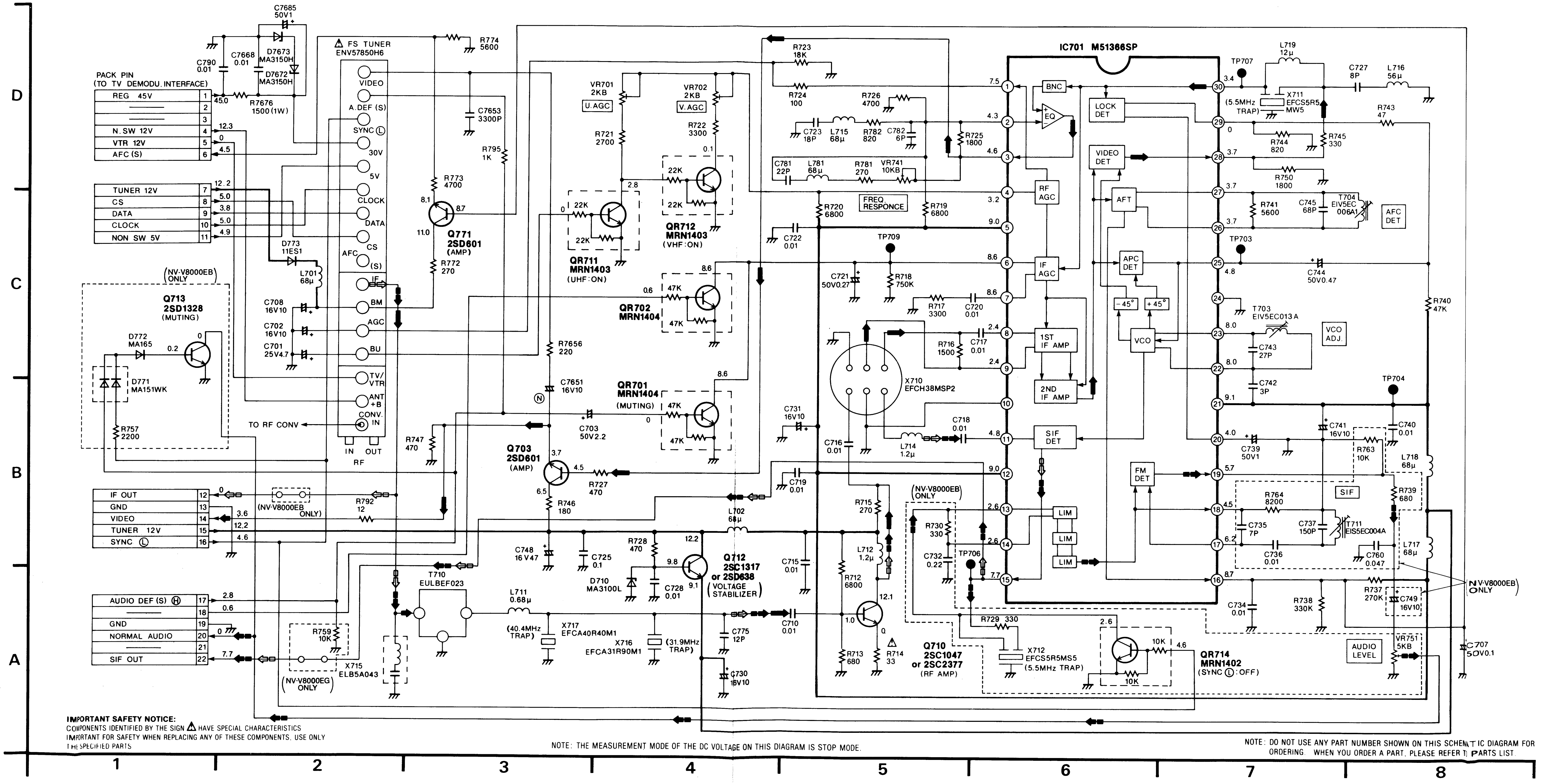

B
A
RF CONVERTER
DECODER PACK:NV-V8000EG
SUB NICAM PACK:NV-V8000B/EB
(NV-V8000B/EB)
(NV-V8000B/EB)
(NV-V8000B/EB)
R7946
TV DEMODULATOR PACK
(NV-V8000B/EB)
R7941
R7942
P7942
P7941
L7944
C7946
L7943
(NV-V8000EG/EB)
L7942
P7943
P7944
C7948
(NV-V8000EG/EB)
10P:NV-V8000 EG
13P:NV-V8000B/EB
JG1
TO POWER SHIELD
C7944
C7943
C7942
C7941
1
2
3
4
5

3-51. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-V8000EG/EB)

VIDEO SIGNAL PATH

AUDIO MAIN SIGNAL PATH
NORMAL AUDIO SIGNAL PATH

AUDIO SUB SIGNAL PATH
NICAM AUDIO SIGNAL PATH



D
C
B
A
1
2
3
4
5
6
7
8
PACK PIN
(TO TV DEMODU. INTERFACE)
1 REG 45V
2
3
4 N.SW 12V
5 VTR 12V
6 AFC (S)
7 TUNER 12V
8 CS
9 DATA
10 CLOCK
11 NON SW 5V
12 IF OUT
13 GND
14 VIDEO
15 TUNER 12V
16 SYNC Ⓛ
17 AUDIO DEF (S) Ⓗ
18
19 GND
20 NORMAL AUDIO
21
22 SIF OUT
C7685 50V1
C790 0.01
C7668 0.01
D7673 MA3150H
D7672 MA3150H
R7676 1500(1W)
45.0
12.3
0
4.5
12.2
5.0
3.8
5.0
4.9
⚠ FS TUNER
ENV57850H6
VIDEO
A.DEF (S)
SYNC Ⓛ
30V
5V
CLOCK
DATA
CS
AFC (S)
IF
BM
AGC
BU
TV/VTR
ANT +B
CONV. IN
TO RF CONV
IN OUT RF
R774 5600
C7653 3300P
R795 1K
R773 4700
8.1
8.7
11.0
Q771 2SD601 (AMP)
R772 270
D773 11ES1
L701 68μ
C708 16V10
C702 16V10
C701 25V4.7
(NV-V8000EB) ONLY
Q713 2SD1328 (MUTING)
D772 MA165
0.2
0
D771 MA151WK
R757 2200
VR701 2KB
U.AGC
R721 2700
VR702 2KB
V.AGC
R722 3300
0.1
22K
22K
2.8
0
22K
22K
QR712 MRN1403 (VHF:ON)
QR711 MRN1403 (UHF:ON)
0.6
47K
47K
8.6
QR702 MRN1404
R7656 220
C7651 16V10
Ⓝ
QR701 MRN1404 (MUTING)
8.6
47K
47K
0
C703 50V2.2
R747 470
Q703 2SD601 (AMP)
3.7
4.5
6.5
R727 470
R746 180
R792 12
(NV-V8000EB ONLY)
0
3.6
12.2
4.6
2.8
0.6
0
7.7
R759 10K
(NV-V8000EG) ONLY
X715 ELB5A043
T710 EULBEF023
L711 0.68μ
(40.4MHz TRAP)
X717 EFCA40R40M1
X716 EFCA31R90M1
(31.9MHz TRAP)
C748 16V47
C725 0.1
D710 MA3100L
R728 470
12.2
9.8
9.1
C728 0.01
Q712 2SC1317 or 2SD638 (VOLTAGE STABILIZER)
L702 68μ
C775 12P
C730 16V10
C710 0.01
R723 18K
R724 100
R726 4700
C723 18P
L715 68μ
R782 820
C782 6P
R725 1800
C781 22P
L781 68μ
R781 270
VR741 10KB
R720 6800
FREQ. RESPONCE
R719 6800
C722 0.01
TP709
C721 50V0.27
R718 750K
R717 3300
C720 0.01
R716 1500
C717 0.01
X710 EFCH38MSP2
C731 16V10
C718 0.01
L714 1.2μ
C716 0.01
C719 0.01
C715 0.01
R715 270
L712 1.2μ
R712 6800
R713 680
⚠ R714 33
1.0
12.1
0
Q710 2SC1047 or 2SC2377 (RF AMP)
(NV-V8000EB) ONLY
R730 330
C732 0.22
TP706
R729 330
X712 EFCS5R5MS5 (5.5MHz TRAP)
IC701 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
AFT
IF AGC
APC DET
−45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
LIM
LIM
7.5
4.3
4.6
3.2
9.0
8.6
8.6
2.4
2.4
4.8
9.0
2.6
2.6
7.7
3.4
0
3.7
3.7
3.7
4.8
8.0
8.0
9.1
4.0
5.7
4.5
6.2
8.7
TP707
L719 12μ
C727 8P
L716 56μ
X711 EFCS5R5 MW5
(5.5MHz TRAP)
R743 47
R744 820
R745 330
R750 1800
R741 5600
C745 68P
T704 EIV5EC 006A1
AFC DET
TP703
C744 50V0.47
T703 EIV5EC013A
C743 27P
VCO ADJ.
C742 3P
TP704
R740 47K
C741 16V10
C740 0.01
R763 10K
C739 50V1
L718 68μ
SIF
R764 8200
R739 680
C735 7P
C737 150P
T711 EIS5EC004A
C736 0.01
C760 0.047
L717 68μ
R737 270K
C749 16V10
(NV-V8000EB) ONLY
C734 0.01
R738 330K
2.6
10K
4.6
10K
QR714 MRN1402 (SYNC Ⓛ:OFF)
AUDIO LEVEL
VR751 5KB
C707 50V0.1

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SPECIFIED PARTS.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

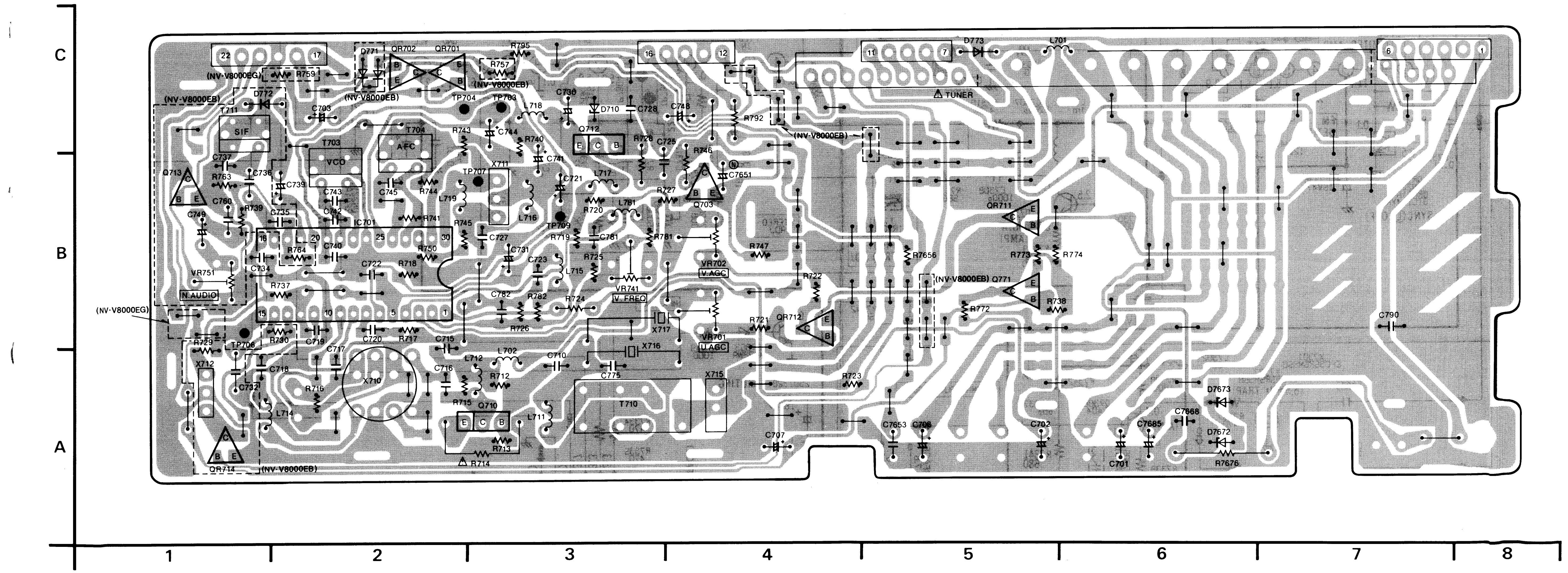
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
TV DEMODU. INTERFACE Section

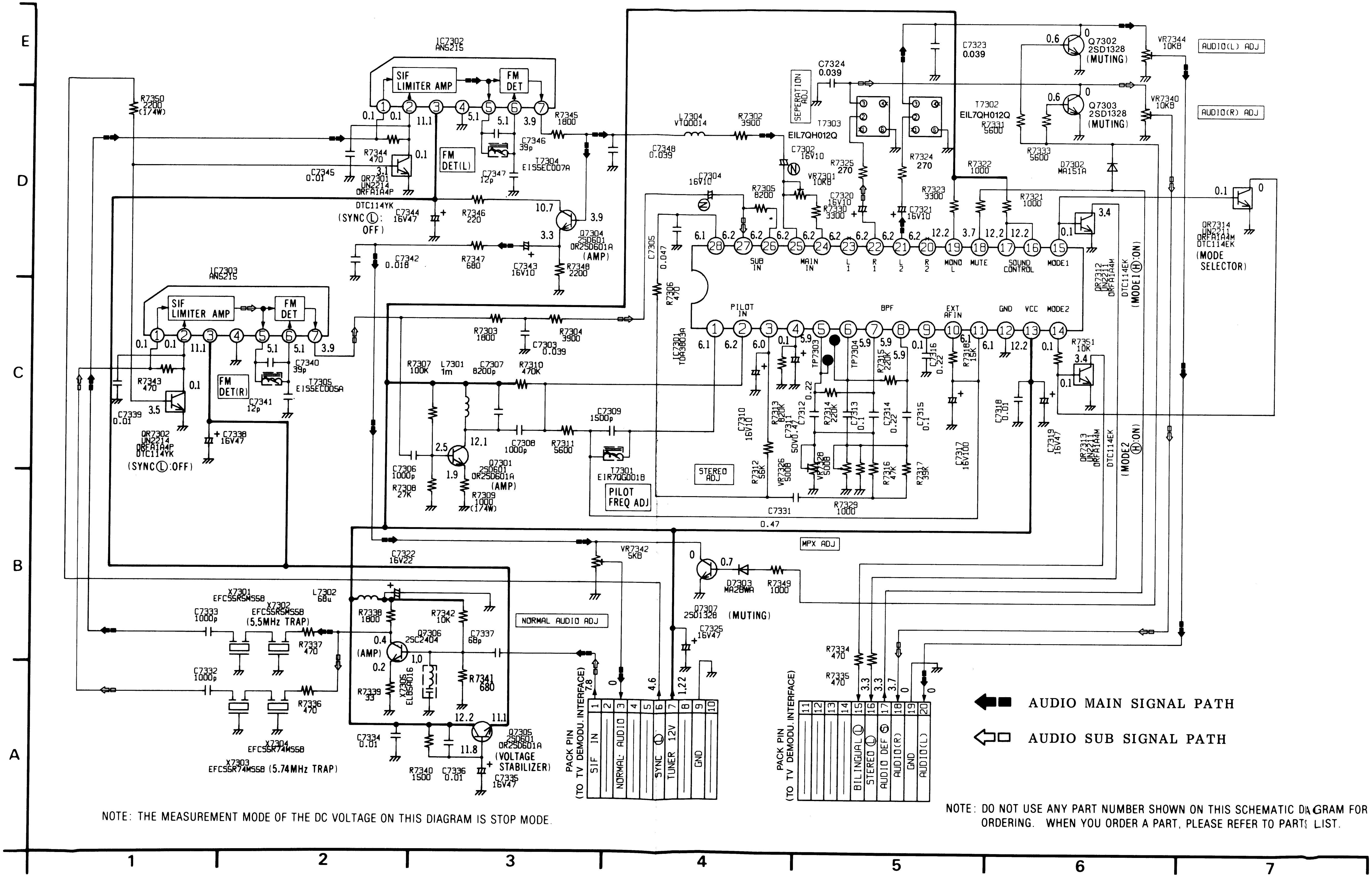
3-52. TV DEMODULATOR PACK C.B.A. (VEP07596A: NV-V8000EG) (VEP07596B: NV-V8000EB)

TV DEMODULATOR PACK C.B.A.			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q710	A-3	TP704	C-2
Q712	C-3	TP706	B-1
Q713	B-1	TP707	B-3
Q771	B-5	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	VR701	B-4
QR702	C-2	VR702	B-4
QR711	B-5	VR741	B-3
QR712	B-4	VR751	B-1
QR714	A-1	T703	B-2
Integrated Circuit		T704	B-2
IC701	B-2	T711	C-1

ADDRESS INFORMATION


C
B
A
1
2
3
4
5
6
7
8
(NV-V8000EG)
(NV-V8000EB)
(NV-V8000EG)
(NV-V8000EB)
22
17
16
12
11
7
6
1
15
10
5
20
25
30
D771
QR702
QR701
R795
R757
R759
D772
T711
SIF
C703
T703
VCO
T704
AFC
TP704
TP703
C736
D710
C728
C748
R792
D773
L701
TUNER
L718
C744
R743
R740
C741
Q712
E
C
B
R728
C725
R746
C7651
Q713
R763
C737
C736
C739
C743
C745
R744
X711
TP707
L719
C721
L717
R727
Q703
C760
R739
C735
C742
IC701
R741
R745
L716
TP709
R720
L781
C749
R764
C740
R750
C727
C731
R719
C781
R781
R747
R7656
QR711
R773
R774
VR751
C734
C722
R718
C723
R725
L715
VR702
V.AGC
R722
(NV-V8000EB)
Q771
N.AUDIO
R737
C782
R782
R724
VR741
V.FREQ
R772
R738
R726
X717
R721
QR712
C790
R729
TP706
R730
C719
C720
R717
C715
VR701
I.AGC
X712
C718
C717
L702
C710
X716
C716
L712
R712
C775
X715
C732
R716
X710
R723
D7673
L714
R715
Q710
L711
T710
C7666
C7653
C706
C702
C7665
D7672
C707
QR714
R713
R714
C701
R7676

3-53. DECODER PACK SCHEMATIC DIAGRAM (NV-V8000EG)



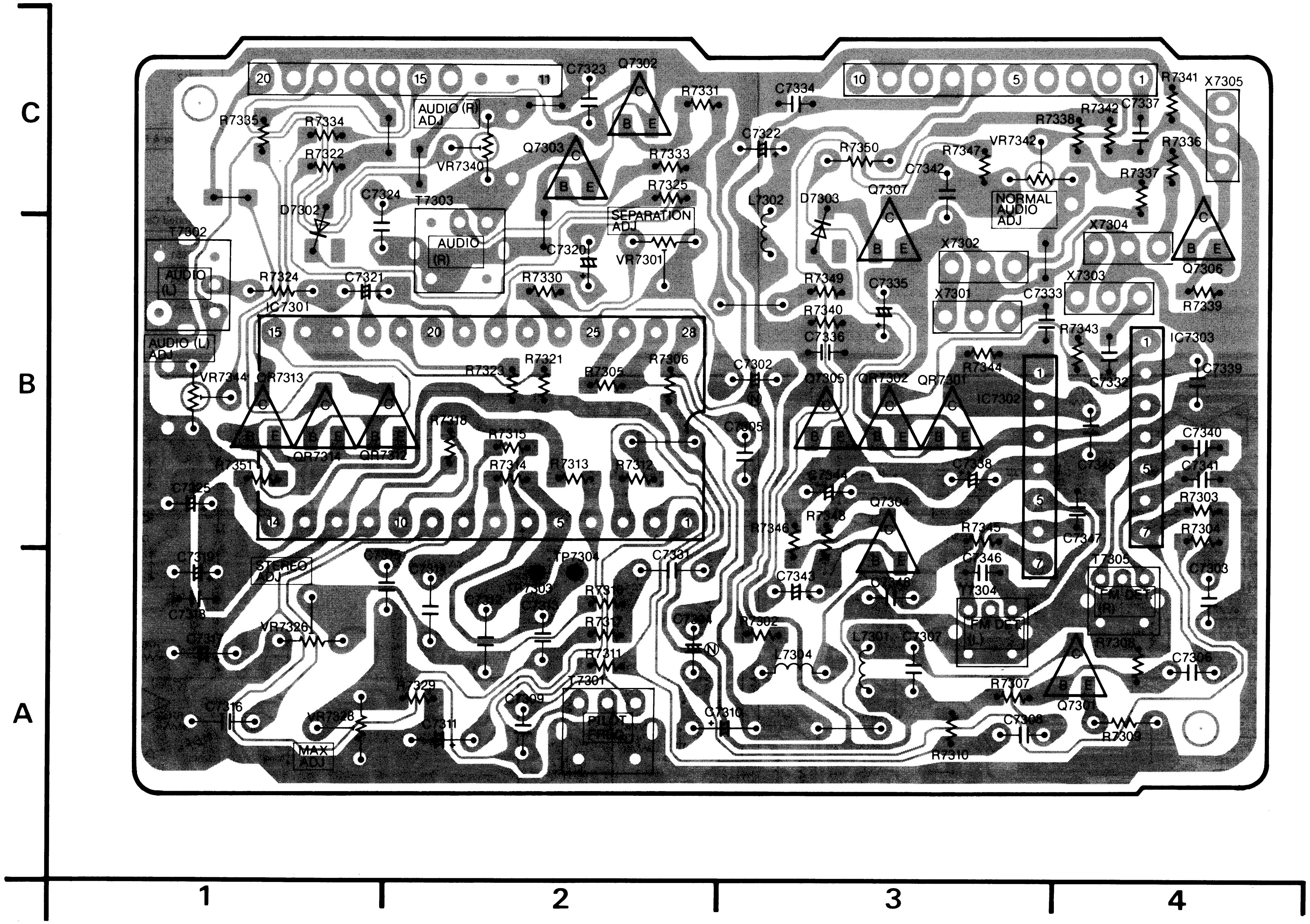
E
D
C
B
A
1
2
3
4
5
6
7
IC7302 AN5215
SIF LIMITER AMP
FM DET
FM DET(L)
IC7303 AN5215
FM DET(R)
R7350 2200 (1/4W)
R7344 470
Q7301 UN2214 ORFA1A4P DTC114YK
(SYNC Ⓛ: OFF)
R7345 1800
C7346 39p
T7304 EI55EC007A
C7347 12p
C7345 0.01
C7344 16V47
R7346 220
Q7304 2SD601 OR2SD601A (AMP)
C7342 0.018
R7347 680
C7343 16V10
R7348 2200
R7343 470
C7339 0.01
Q7302 UN2214 ORFA1A4P DTC114YK
(SYNC Ⓛ:OFF)
C7338 16V47
C7340 39p
T7305 EI55EC005A
C7341 12p
L7304 VTQ0014
R7302 3900
C7348 0.039
C7324 0.039
SEPERATION ADJ
T7303 EIL7QH012Q
T7302 EIL7QH012Q
C7323 0.039
Q7302 2SD1328 (MUTING)
Q7303 2SD1328 (MUTING)
VR7344 10KB
VR7340 10KB
AUDIO(L) ADJ
AUDIO(R) ADJ
R7331 5600
R7333 5600
D7302 MA151A
R7322 1000
R7321 1000
C7302 16V10
VR7301 10KB
R7325 270
R7324 270
C7304 16V10
R7305 8200
C7320 16V10
R7330 3300
R7323 3300
C7321 16V10
Q7314 UN2211 ORFA1A4M DTC114EK
(MODE SELECTOR)
SUB IN
MAIN IN
L 1
R 1
L 2
R 2
MONO L
MUTE
SOUND CONTROL
MODE1
PILOT IN
BPF
EXT AF IN
GND
VCC
MODE2
IC7301 TDA3803A
C7305 0.047
R7306 470
Q7312 UN2211 ORFA1A4M DTC114EK
(MODE1 Ⓗ:ON)
Q7313 UN2211 ORFA1A4M DTC114EK
(MODE2 Ⓗ:ON)
R7351 10K
R7303 1600
R7304 3900
C7303 0.039
R7307 100K
L7301 1m
C7307 8200p
R7310 470K
C7309 1500p
C7308 1000p
R7311 5600
Q7301 2SD601 OR2SD601A (AMP)
C7306 1000p
R7308 27K
R7309 1000 (1/4W)
T7301 EIR70G0018
PILOT FREQ ADJ
STEREO ADJ
C7310 16V10
R7312 56K
R7313 820K
C7311 50V0.47
C7312 0.22
VR7326 500B
VR7328 500B
TP7303
TP7304
R7314 220K
C7313 0.1
C7314 0.22
R7315 220K
C7315 0.1
R7316 47K
R7317 33K
C7316 0.22
R7318 15K
C7317 16V100
C7318 0.01
C7319 16V47
C7331 0.47
R7329 1000
MPX ADJ
C7322 16V22
VR7342 5KB
D7303 MA28WA
R7349 1000
Q7307 2SD1328 (MUTING)
C7325 16V47
X7301 EFCS5R5MS5B
X7302 EFCS5R5MS5B
(5.5MHz TRAP)
L7302 68u
C7333 1000p
R7337 470
C7332 1000p
R7336 470
X7304 EFCS5R74MS5B
X7303 EFCS5R74MS5B (5.74MHz TRAP)
R7338 1800
R7342 10K
Q7306 2SC2404
(AMP)
C7337 68p
X7305 EL8508016
R7339 33
R7341 680
C7334 0.01
R7340 1500
C7336 0.01
Q7305 2SD601 OR2SD601A (VOLTAGE STABILIZER)
C7335 16V47
NORMAL AUDIO ADJ
PACK PIN (TO TV DEMODU. INTERFACE)
SIF IN
NORMAL AUDIO
SYNC Ⓛ
TUNER 12V
GND
R7334 470
R7335 470
BILINGUAL Ⓛ
STEREO Ⓛ
AUDIO DEF Ⓢ
AUDIO(R)
GND
AUDIO(L)
AUDIO MAIN SIGNAL PATH
AUDIO SUB SIGNAL PATH

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
TV DEMODULATOR Section

3-54. DECODER PACK C.B.A. (VEP07537C: NV-V8000EG)

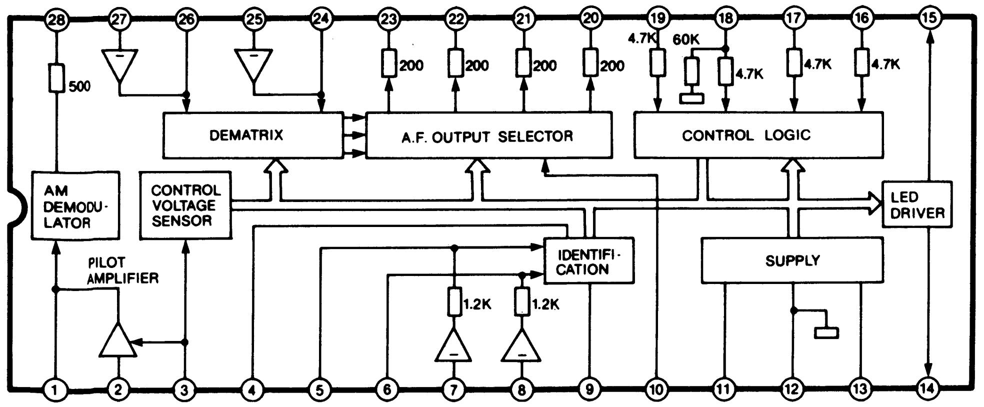

C
B
A
1
2
3
4
AUDIO (R) ADJ
AUDIO (R)
AUDIO (L)
AUDIO (L) ADJ
SEPARATION ADJ
NORMAL AUDIO ADJ
STEREO ADJ
MAX ADJ
FM DET (L)
FM DET (R)
PILOT
IC7301
IC7302
IC7303
Q7301
Q7302
Q7303
Q7304
Q7305
Q7306
Q7307
QR7301
QR7302
QR7312
QR7313
QR7314
VR7301
VR7326
VR7328
VR7340
VR7342
VR7344
T7301
T7302
T7303
T7304
T7305
TP7303
TP7304
X7301
X7302
X7303
X7304
X7305
L7301
L7302
L7304
D7302
D7303

DECODER PACK C.B.A.	
Transistor	
Q7301	A-4
Q7302	C-2
Q7303	C-2
Q7304	B-3
Q7305	B-3
Q7306	B-4
Q7307	B-3
Transistor & Resistor	
QR7301	B-3
QR7302	B-3
QR7312	B-2
QR7313	B-1
QR7314	B-1
Integrated Circuit	
IC7301	B-1
IC7302	B-3
IC7303	B-4
Test Point	
TP7303	A-2
TP7304	A-2
Adjustment	
VR7301	B-2
VR7326	A-1
VR7328	A-1
VR7340	C-2
VR7342	C-3
VR7344	B-1
T7301	A-2
T7302	B-1
T7303	B-2
T7304	A-3
T7305	A-4

ADDRESS INFORMATION

IC BLOCK

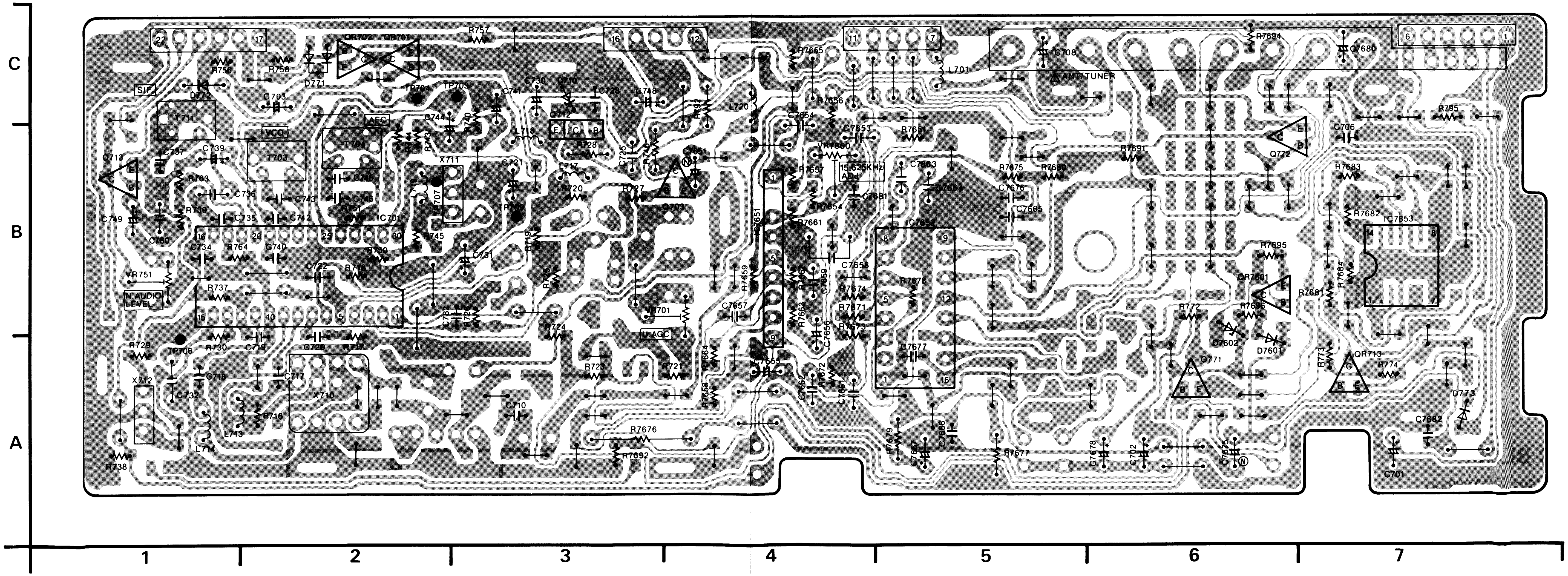
IC7301 (TDA3803A)


DEMATRIX
A.F. OUTPUT SELECTOR
CONTROL LOGIC
AM DEMODU-LATOR
CONTROL VOLTAGE SENSOR
LED DRIVER
PILOT AMPLIFIER
IDENTIFI-CATION
SUPPLY
500
200
200
200
200
4.7K
60K
4.7K
4.7K
4.7K
1.2K
1.2K
28
27
26
25
24
23
22
21
20
19
18
17
16
15
1
2
3
4
5
6
7
8
9
10
11
12
13
14

3-55. TV DEMODULATOR PACK C.B.A. (VEP07592T: NV-V8000B)

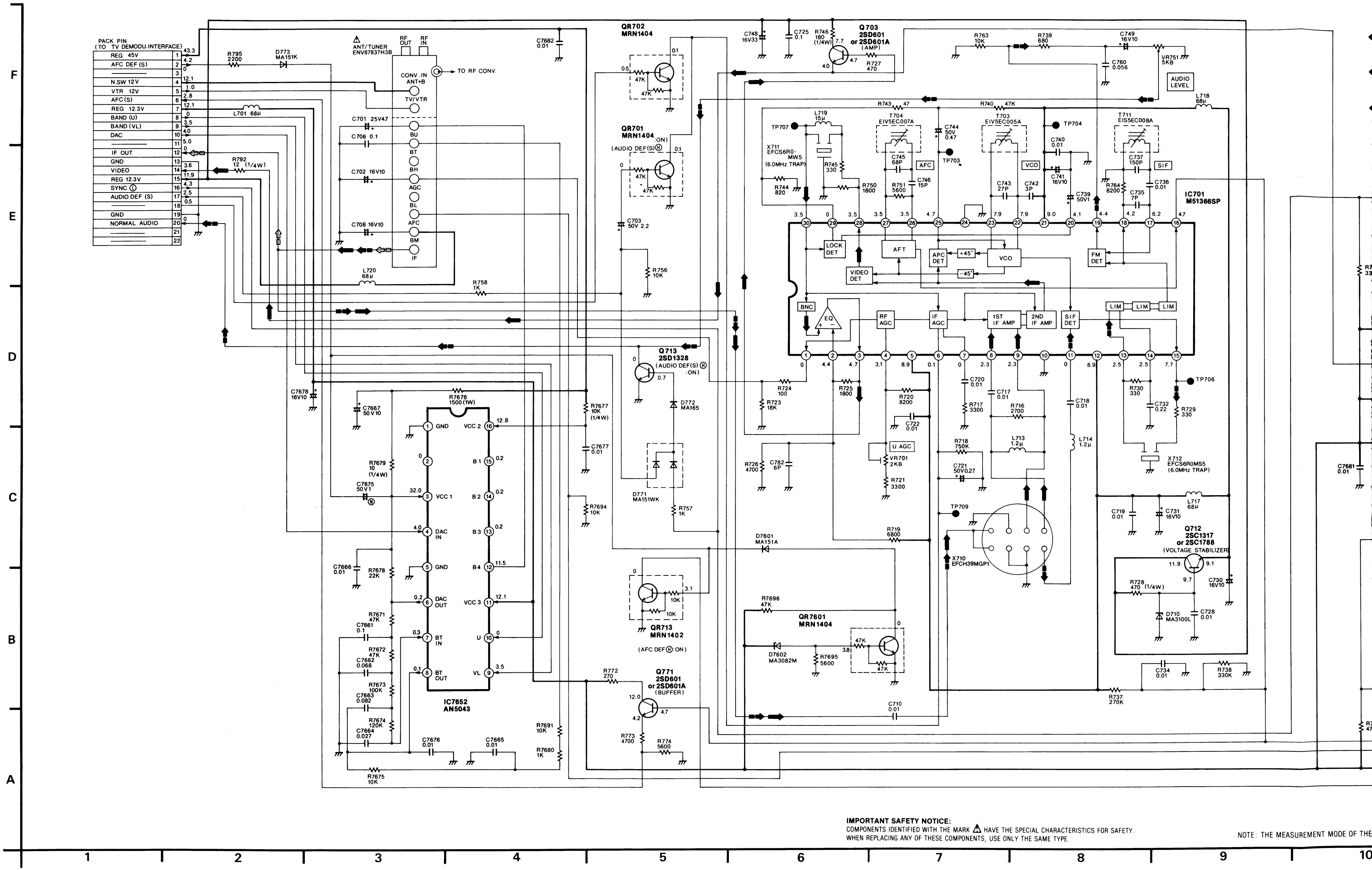
TV DEMODULATOR PACK			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q712	B-3	TP704	C-2
Q713	B-1	TP706	A-1
Q771	A-6	TP707	B-2
Q772	B-6	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	VR701	B-4
QR702	C-2	VR751	B-1
QR713	A-7	VR7660	B-4
QR7601	B-6	T703	B-2
Integrated Circuit		T704	B-2
IC701	B-2	T711	C-1
IC7651	B-4		
IC7652	B-5		
IC7653	B-7		

ADDRESS INFORMATION


C
B
A
1
2
3
4
5
6
7
22
17
16
12
11
7
6
1
QR702
QR701
R757
R756
R758
D771
SIF
D772
C703
T711
VCO
T703
AFC
T704
TP704
TP703
C744
R740
R743
C741
C730
D710
C728
C748
R732
L720
L718
Q712
E C B
R728
C725
R746
C7651
L717
R720
R727
Q703
X711
C721
TP707
TP709
L719
R707
R745
C731
R719
R725
IC701
R730
R718
C722
Q713
C737
C739
R763
R739
C736
C743
C735
C742
C749
C760
C734
R764
C740
VR751
N.AUDIO LEVEL
R737
C732
C726
R724
VR701
U.AGC
R729
TP706
R730
C719
C720
R717
X712
C718
C732
C717
X710
L713
R716
L714
R738
R723
R721
C710
R7676
R7692
R7665
R7656
C7654
C7653
R7651
VR7660
R7657
15.625KHz ADJ
C7663
C7664
C7681
R7654
R7661
IC7651
IC7652
R7659
R7662
C7659
C7658
R7678
R7674
R7671
R7673
R7663
C7656
C7657
C7655
C7677
R7664
R7658
C7662
R7672
C7661
R7679
C7667
C7686
R7677
L701
C708
ANTI TUNER
R7694
C7680
R7691
R7675
R7680
C7676
C7665
Q772
C706
R795
R7683
R7682
IC7653
R7695
QR7601
R7681
R7684
R772
R7696
D7602
D7601
Q771
R773
QR713
R774
D773
C7682
C7678
C702
C7675
C701

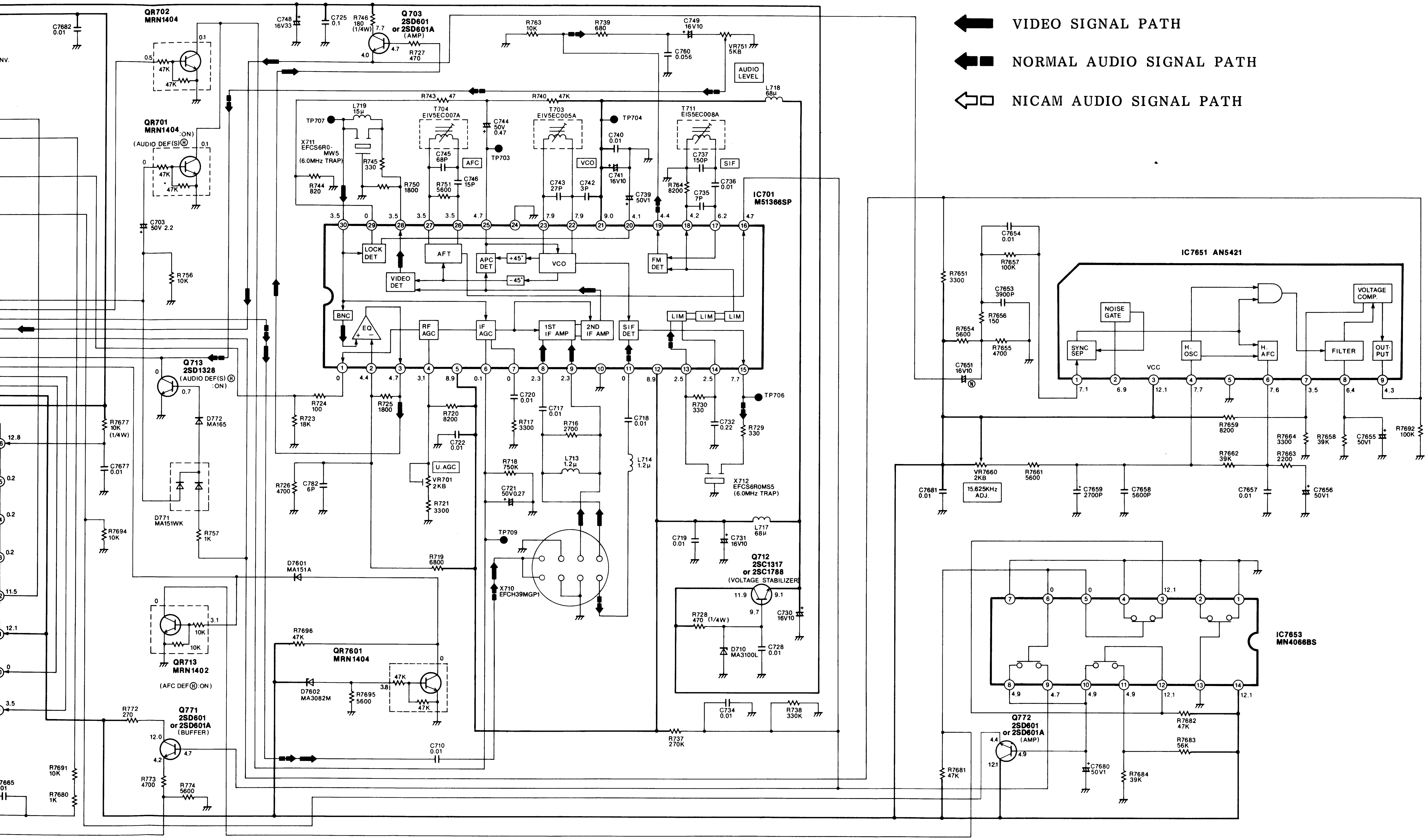
Back Page:
DECODER Section

3-56. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-V8000B)


PACK PIN
(TO TV DEMODU.INTERFACE)
REG 45V
AFC DEF (S)
N.SW 12V
VTR 12V
AFC (S)
REG 12.3V
BAND (U)
BAND (VL)
DAC
IF OUT
GND
VIDEO
REG 12.3V
SYNC Ⓛ
AUDIO DEF (S)
GND
NORMAL AUDIO
R795 2200
D773 MA151K
L701 68µ
R792 12 (1/4W)
ANT/TUNER ENV87837H3B
RF OUT
RF IN
CONV. IN
ANT+B
TV/VTR
TO RF CONV.
C701 25V47
C706 0.1
C702 16V10
C708 16V10
BU
BT
BH
AGC
BL
AFC
BM
IF
L720 68µ
R758 1K
C7682 0.01
C7678 16V10
C7667 50V10
R7676 1500(1W)
R7679 10 (1/4W)
C7675 50V1
C7666 0.01
R7678 22K
R7671 47K
C7661 0.1
R7672 47K
C7662 0.068
R7673 100K
C7663 0.082
R7674 120K
C7664 0.027
R7675 10K
C7676 0.01
C7665 0.01
GND
DAC IN
DAC OUT
BT IN
BT OUT
VCC 1
VCC 2
VCC 3
B1
B2
B3
B4
U
VL
IC7652 AN5043
R7691 10K
R7680 1K
R7677 10K (1/4W)
C7677 0.01
R7694 10K
QR702 MRN1404
QR701 MRN1404
(AUDIO DEF(S)Ⓗ :ON)
C703 50V 2.2
R756 10K
Q713 2SD1328
(AUDIO DEF(S) Ⓗ :ON)
D772 MA165
D771 MA151WK
R757 1K
QR713 MRN1402
(AFC DEF Ⓗ :ON)
R772 270
Q771 2SD601 or 2SD601A (BUFFER)
R773 4700
R774 5600
C748 16V33
C725 0.1
R746 180 (1/4W)
Q703 2SD601 or 2SD601A (AMP)
R727 470
R763 10K
R739 680
C749 16V10
VR751 5KB
C760 0.056
AUDIO LEVEL
L718 68µ
R743 47
R740 47K
T704 EIV5EC007A
T703 EIV5EC005A
T711 EIS5EC008A
TP707
TP704
TP703
L719 15µ
X711 EFCS6R0-MW5 (6.0MHz TRAP)
R745 330
R744 820
C745 68P
C744 50V 0.47
AFC
R750 1800
R751 5600
C746 15P
C743 27P
C742 3P
VCO
C740 0.01
C741 16V10
C739 50V1
C737 150P
SIF
R764 8200
C735 7P
C736 0.01
IC701 M51366SP
LOCK DET
AFT
APC DET
+45°
-45°
VCO
VIDEO DET
FM DET
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
R724 100
R723 18K
R725 1800
R720 8200
C722 0.01
U.AGC
VR701 2KB
R721 3300
C720 0.01
C717 0.01
R717 3300
R716 2700
R718 750K
L713 1.2µ
C721 50V0.27
C718 0.01
L714 1.2µ
R730 330
C732 0.22
R729 330
TP706
X712 EFCS6R0MS5 (6.0MHz TRAP)
R726 4700
C782 6P
D7601 MA151A
R719 6800
TP709
X710 EFCH39MGP1
R7696 47K
QR7601 MRN1404
D7602 MA3082M
R7695 5600
C710 0.01
C719 0.01
C731 16V10
L717 68µ
Q712 2SC1317 or 2SC1788 (VOLTAGE STABILIZER)
R728 470 (1/4W)
C730 16V10
D710 MA3100L
C728 0.01
C734 0.01
R738 330K
R737 270K
C7681 0.01
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE



VIDEO SIGNAL PATH
NORMAL AUDIO SIGNAL PATH
NICAM AUDIO SIGNAL PATH
QR702 MRN1404
QR701 MRN1404 (AUDIO DEF(S)Ⓗ:ON)
Q703 2SD601 or 2SD601A (AMP)
Q713 2SD1328 (AUDIO DEF(S)Ⓗ:ON)
QR713 MRN1402 (AFC DEFⒽ:ON)
Q771 2SD601 or 2SD601A (BUFFER)
QR7601 MRN1404
Q712 2SC1317 or 2SC1788 (VOLTAGE STABILIZER)
Q772 2SD601 or 2SD601A (AMP)
IC701 M51366SP
IC7651 AN5421
IC7653 MN4066BS
T704 EIV5EC007A
T703 EIV5EC005A
T711 EIS5EC008A
X711 EFCS6R0-MW5 (6.0MHz TRAP)
X712 EFCS6R0MS5 (6.0MHz TRAP)
X710 EFCH39MGP1
VR751 5KB
AUDIO LEVEL
VR701 2KB
U.AGC
VR7660 2KB
15.625KHz ADJ.
AFC
VCO
SIF
LOCK DET
AFT
APC DET
+45°
-45°
VIDEO DET
FM DET
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
NOISE GATE
SYNC SEP
H. OSC
H. AFC
FILTER
OUT-PUT
VOLTAGE COMP.
VCC
TP703
TP704
TP706
TP707
TP709
D771 MA151WK
D772 MA165
D7601 MA151A
D7602 MA3082M
D710 MA3100L

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

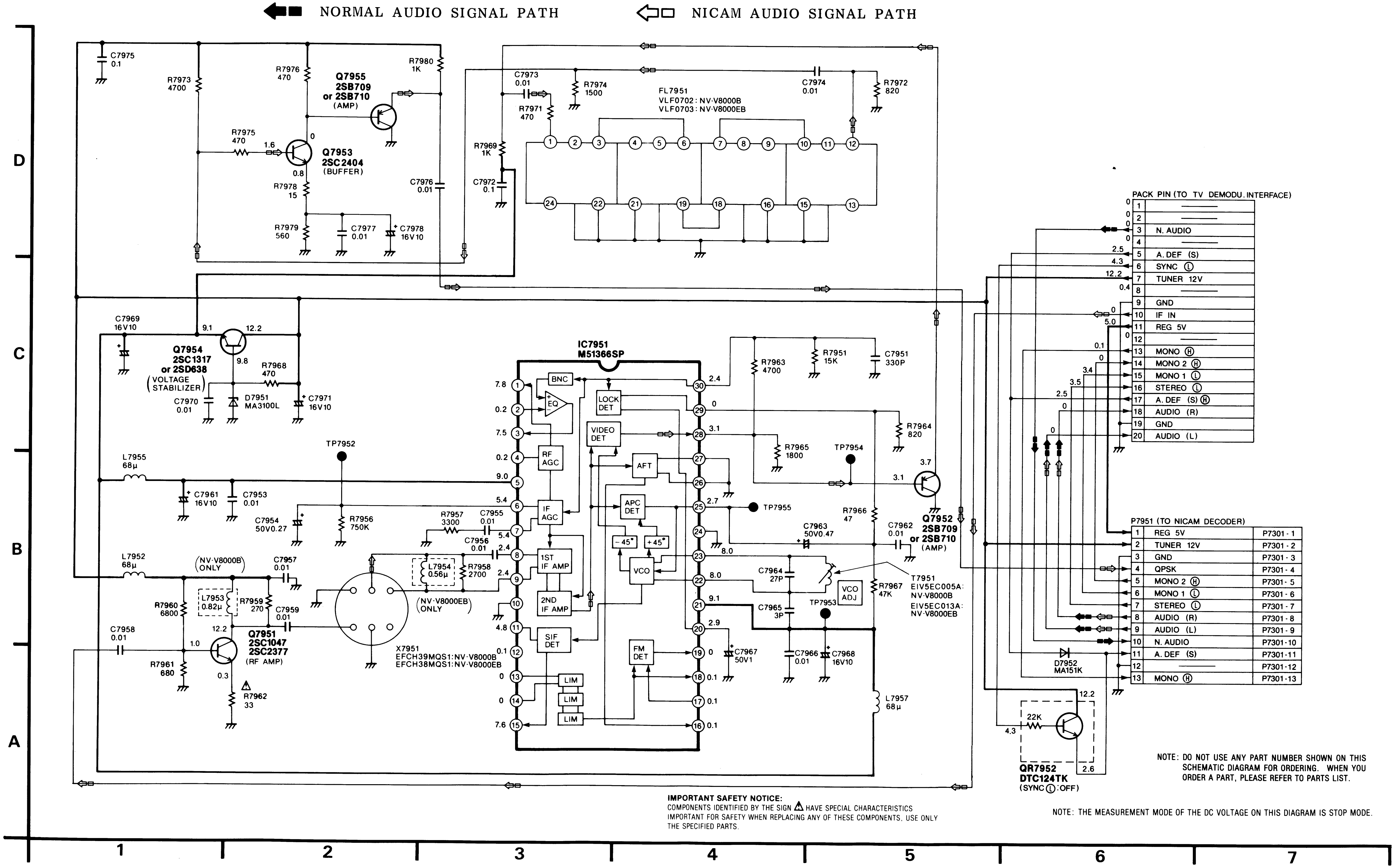
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

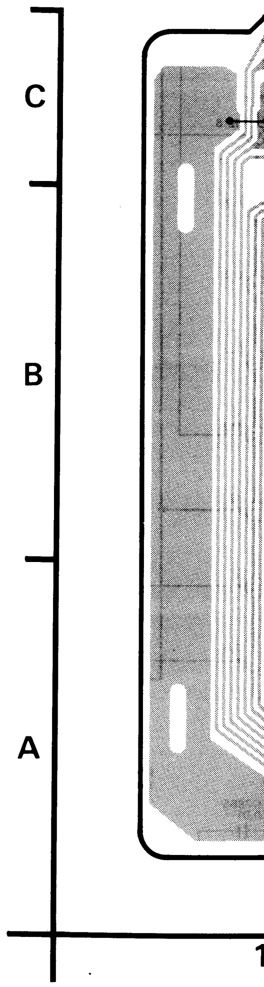
4 5 6 7 8 9 10 11 12 13

Next Page:
SUB NICAM Section

3-57. SUB NICAM PACK SCHEMATIC DIAGRAM (NV-V8000B/EB)

3-58. SUB N


NORMAL AUDIO SIGNAL PATH
NICAM AUDIO SIGNAL PATH
D
C
B
A
1
2
3
4
5
6
7
C7975 0.1
R7973 4700
R7976 470
Q7955 2SB709 or 2SB710 (AMP)
R7980 1K
R7975 470
Q7953 2SC2404 (BUFFER)
R7978 15
R7979 560
C7977 0.01
C7978 16V10
C7976 0.01
C7973 0.01
R7971 470
R7974 1500
R7969 1K
C7972 0.1
FL7951
VLF0702: NV-V8000B
VLF0703: NV-V8000EB
C7974 0.01
R7972 820
C7969 16V10
Q7954 2SC1317 or 2SD638 (VOLTAGE STABILIZER)
C7970 0.01
D7951 MA3100L
R7968 470
C7971 16V10
L7955 68μ
C7961 16V10
C7953 0.01
C7954 50V0.27
R7956 750K
TP7952
L7952 68μ
(NV-V8000B ONLY)
C7957 0.01
L7953 0.82μ
R7959 270
C7959 0.01
R7960 6800
C7958 0.01
R7961 680
Q7951 2SC1047 2SC2377 (RF AMP)
R7962 33
R7957 3300
C7955 0.01
C7956 0.01
L7954 0.56μ
R7958 2700
(NV-V8000EB ONLY)
X7951
EFCH39MQS1: NV-V8000B
EFCH38MQS1: NV-V8000EB
IC7951 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
AFT
IF AGC
APC DET
-45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
R7963 4700
R7951 15K
C7951 330P
R7964 820
R7965 1800
TP7954
TP7955
R7966 47
C7963 50V0.47
C7962 0.01
Q7952 2SB709 or 2SB710 (AMP)
C7964 27P
C7965 3P
TP7953
VCO ADJ
R7967 47K
T7951
EIV5EC005A: NV-V8000B
EIV5EC013A: NV-V8000EB
C7966 0.01
C7968 16V10
C7967 50V1
L7957 68μ
PACK PIN (TO TV DEMODU. INTERFACE)
1
2
3 N. AUDIO
4
5 A. DEF (S)
6 SYNC Ⓛ
7 TUNER 12V
8
9 GND
10 IF IN
11 REG 5V
12
13 MONO Ⓗ
14 MONO 2 Ⓗ
15 MONO 1 Ⓛ
16 STEREO Ⓛ
17 A. DEF (S) Ⓗ
18 AUDIO (R)
19 GND
20 AUDIO (L)
P7951 (TO NICAM DECODER)
1 REG 5V P7301-1
2 TUNER 12V P7301-2
3 GND P7301-3
4 QPSK P7301-4
5 MONO 2 Ⓗ P7301-5
6 MONO 1 Ⓛ P7301-6
7 STEREO Ⓛ P7301-7
8 AUDIO (R) P7301-8
9 AUDIO (L) P7301-9
10 N. AUDIO P7301-10
11 A. DEF (S) P7301-11
12 P7301-12
13 MONO Ⓗ P7301-13
D7952 MA151K
22K
QR7952 DTC124TK (SYNC Ⓛ: OFF)
12.2
4.3
2.6



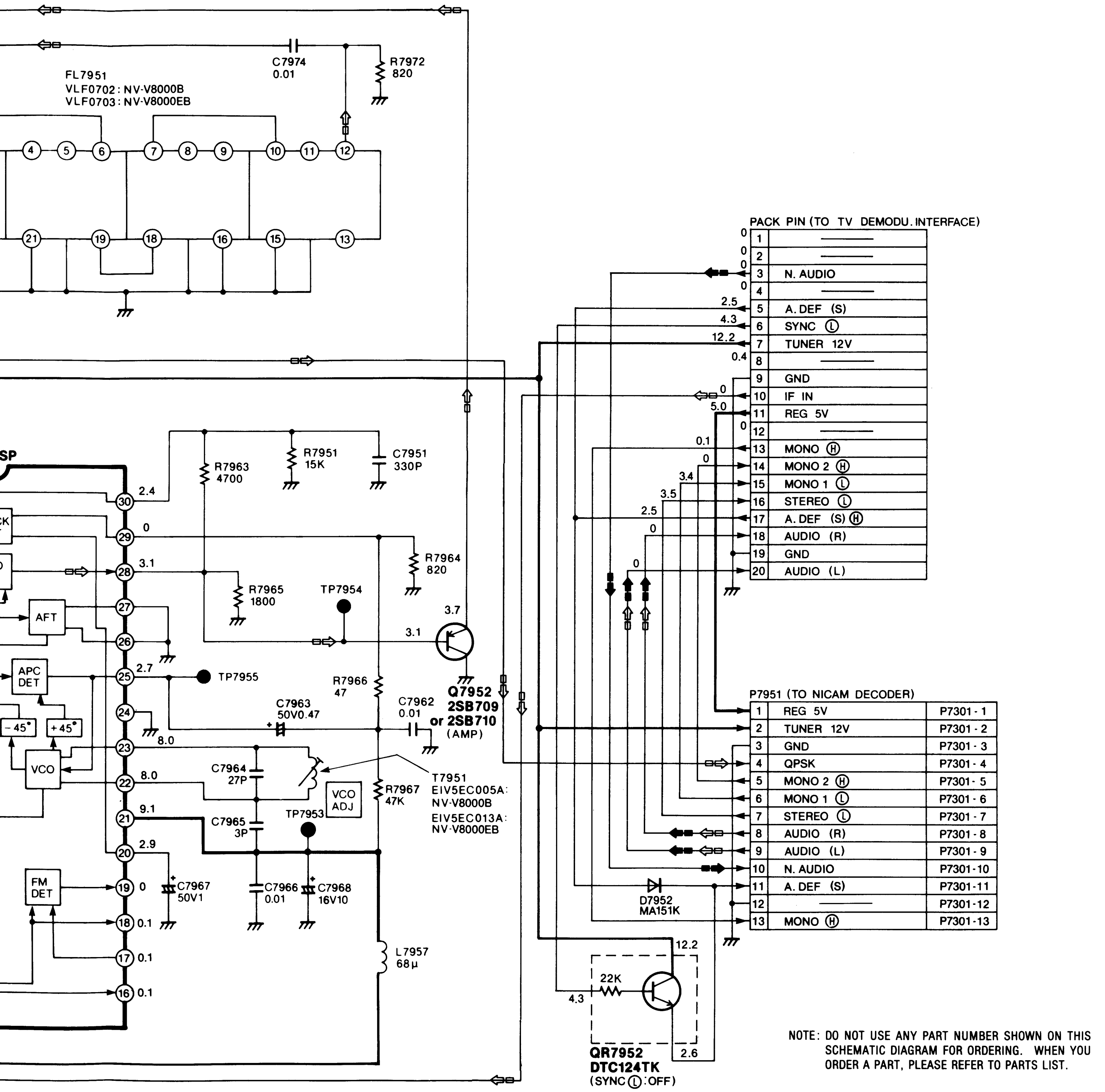
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SPECIFIED PARTS.

EB)

⇦ NICAM AUDIO SIGNAL PATH


FL7951
VLF0702: NV-V8000B
VLF0703: NV-V8000EB
C7974
0.01
R7972
820
R7963
4700
R7951
15K
C7951
330P
SP
R7964
820
R7965
1800
TP7954
TP7955
AFT
APC DET
-45°
+45°
VCO
FM DET
R7966
47
C7963
50V0.47
C7962
0.01
Q7952
2SB709
or 2SB710
(AMP)
C7964
27P
C7965
3P
TP7953
VCO ADJ
R7967
47K
T7951
EIV5EC005A:
NV-V8000B
EIV5EC013A:
NV-V8000EB
C7967
50V1
C7966
0.01
C7968
16V10
L7957
68μ
PACK PIN (TO TV DEMODU. INTERFACE)
P7951 (TO NICAM DECODER)
D7952
MA151K
22K
QR7952
DTC124TK
(SYNC Ⓛ: OFF)
12.2
4.3
2.6
3.7
3.1
2.4
0
3.1
2.7
8.0
8.0
9.1
2.9
0
0.1
0.1
0.1
2.5
4.3
12.2
0.4
5.0
0.1
3.4
3.5
2.5

PACK PIN (TO TV DEMODU. INTERFACE)

1	———
2	———
3	N. AUDIO
4	———
5	A. DEF (S)
6	SYNC Ⓛ
7	TUNER 12V
8	———
9	GND
10	IF IN
11	REG 5V
12	———
13	MONO Ⓗ
14	MONO 2 Ⓗ
15	MONO 1 Ⓛ
16	STEREO Ⓛ
17	A. DEF (S) Ⓗ
18	AUDIO (R)
19	GND
20	AUDIO (L)

P7951 (TO NICAM DECODER)

1	REG 5V	P7301 - 1
2	TUNER 12V	P7301 - 2
3	GND	P7301 - 3
4	QPSK	P7301 - 4
5	MONO 2 Ⓗ	P7301 - 5
6	MONO 1 Ⓛ	P7301 - 6
7	STEREO Ⓛ	P7301 - 7
8	AUDIO (R)	P7301 - 8
9	AUDIO (L)	P7301 - 9
10	N. AUDIO	P7301 - 10
11	A. DEF (S)	P7301 - 11
12	———	P7301 - 12
13	MONO Ⓗ	P7301 - 13

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

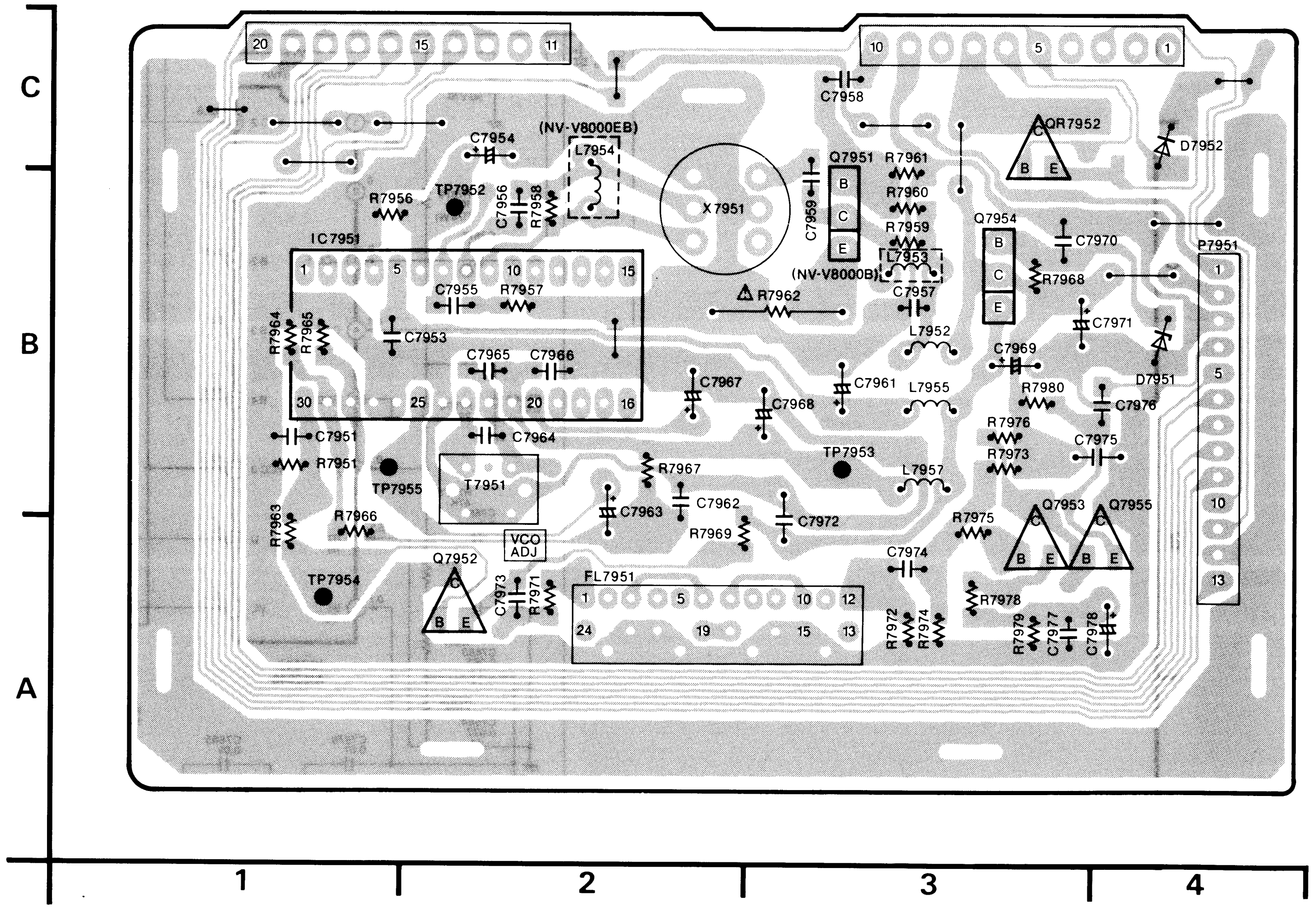
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

4 5 6 7

3-58. SUB NICAM PACK C.B.A. (VEP07548A: NV-V8000B)
(VEP07548B: NV-V8000EB)

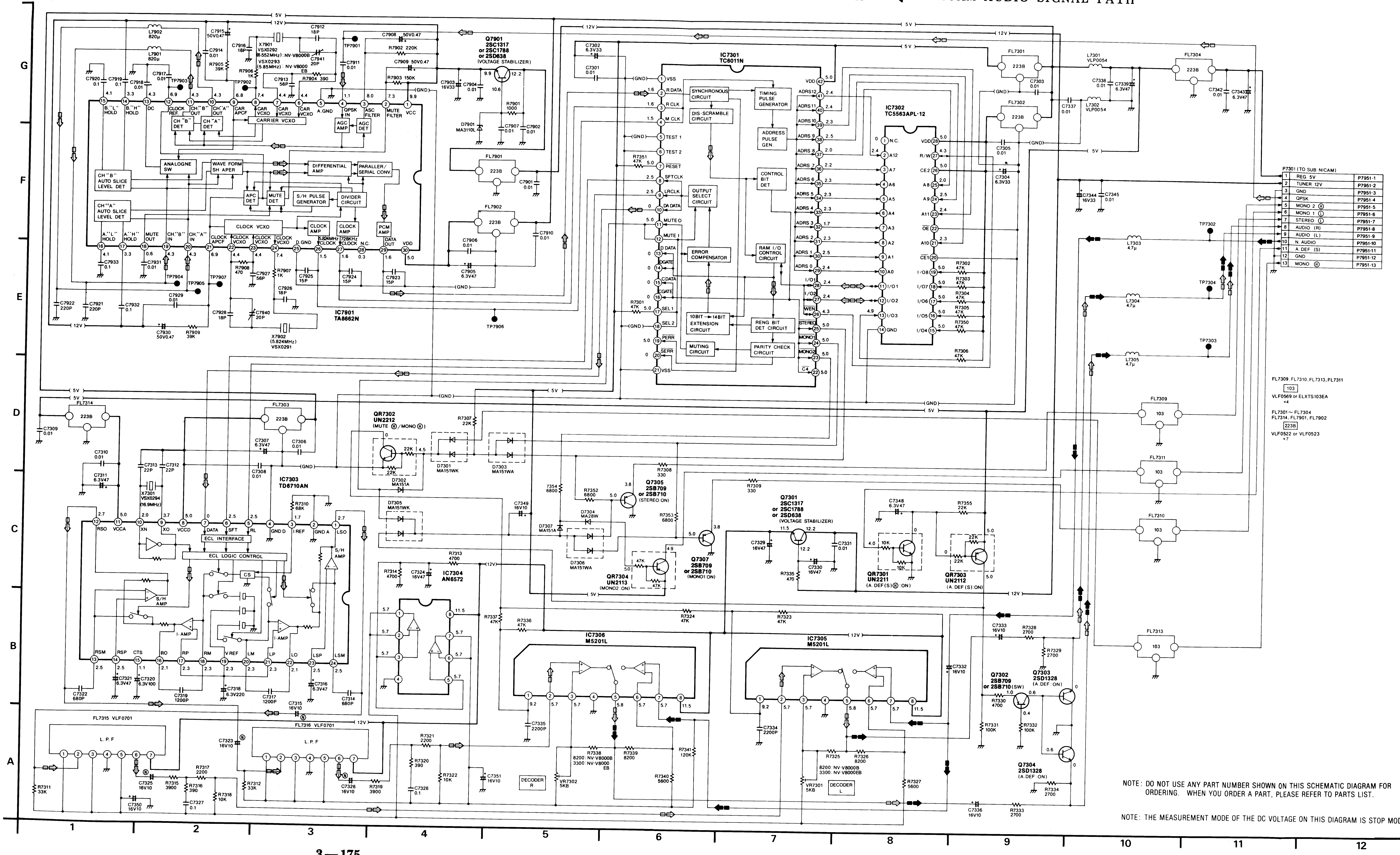
SUB NICAM PACK C.B.A.	
Transistor	
Q7951	B-3
Q7952	A-2
Q7953	A-3
Q7954	B-3
Q7955	A-4
Transistor & Resistor	
QR7952	C-3
Integrated Circuit	
IC7951	B-2
Test Point	
TP7952	B-2
TP7953	B-3
TP7954	A-1
TP7955	B-1
Adjustment	
T7951	B-2

ADDRESS INFORMATION


C
B
A
1
2
3
4
C7958
C7954
(NV-V8000EB)
L7954
X7951
Q7951
R7961
R7960
R7959
L7953
(NV-V8000B)
QR7952
D7952
R7956
TP7952
C7956
R7958
C7959
IC7951
Q7954
C7970
P7951
C7955
R7957
C7957
R7968
⚠R7962
R7964
R7965
C7953
L7952
C7971
C7965
C7966
C7969
D7951
C7967
C7968
C7961
L7955
R7980
C7976
C7951
C7964
R7976
C7975
R7951
TP7953
R7973
R7967
L7957
TP7955
T7951
C7963
C7962
C7972
R7963
R7966
R7969
R7975
Q7953
Q7955
VCO ADJ
TP7954
Q7952
C7974
C7973
R7971
FL7951
R7972
R7974
R7978
R7979
C7977
C7978

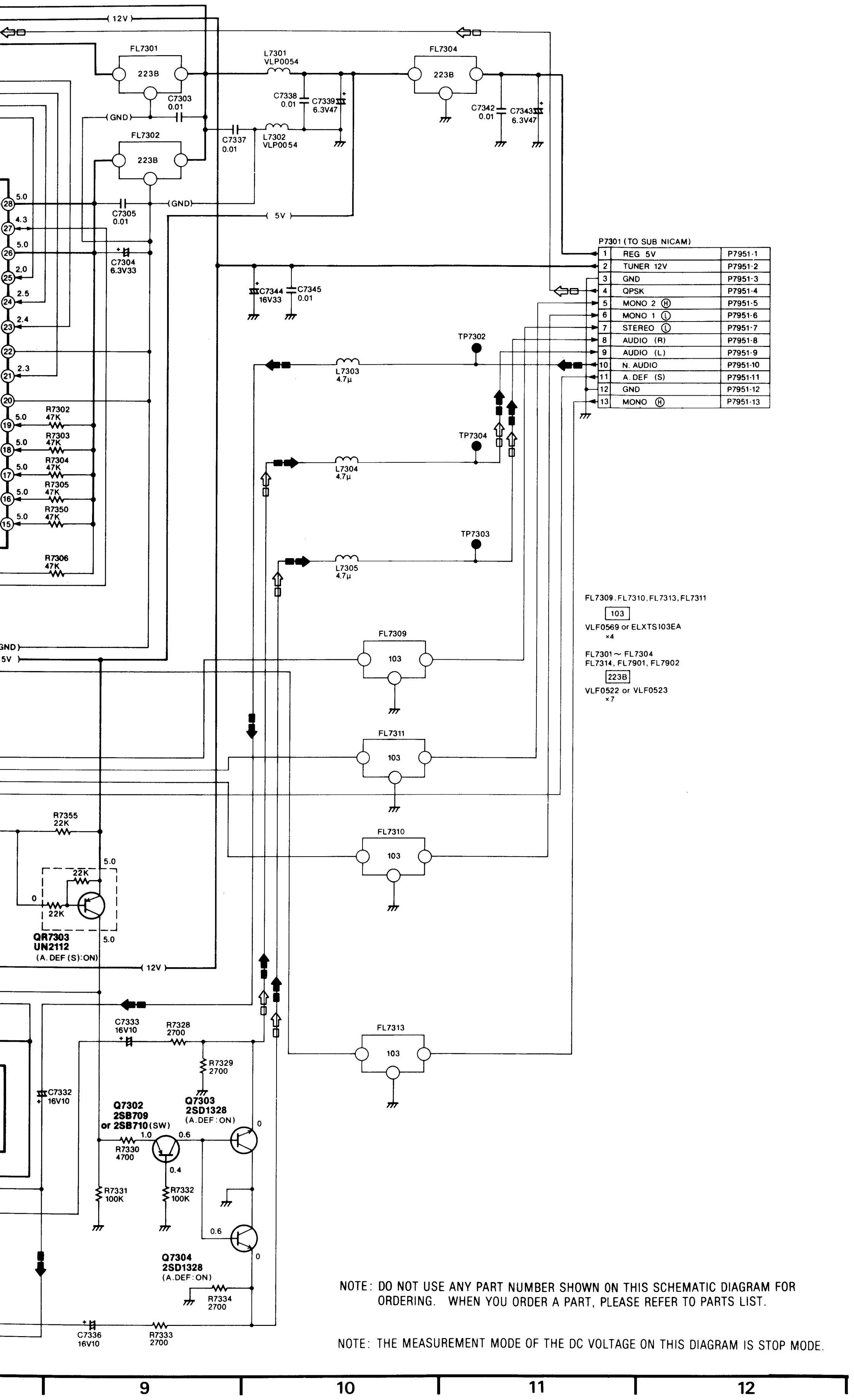
3-59. NICAM DECODER SCHEMATIC DIAGRAM (NV-V8000B/EB)

◀■ NORMAL AUDIO SIGNAL PATH   ⇦□ NICAM AUDIO SIGNAL PATH


IC7901
TA8662N
IC7301
TC6011N
IC7302
TC5563APL-12
IC7303
TD6710AN
IC7304
AN6572
IC7305
M5201L
IC7306
M5201L
Q7901
2SC1317
or 2SC1788
or 2SD638
(VOLTAGE STABILIZER)
Q7301
2SC1317
or 2SC1788
or 2SD638
(VOLTAGE STABILIZER)
Q7305
2SB709
or 2SB710
(STEREO:ON)
Q7307
2SB709
or 2SB710
(MONO1:ON)
Q7302
2SB709
or 2SB710 (SW)
Q7303
2SD1328
(A.DEF:ON)
Q7304
2SD1328
(A.DEF:ON)
QR7302
UN2212
(MUTE Ⓗ/MONO Ⓗ)
QR7304
UN2113
(MONO2:ON)
QR7301
UN2211
(A.DEF(S)Ⓗ:ON)
QR7303
UN2112
(A.DEF(S):ON)
X7901
VSX0292
(6.552MHz):NV-V8000B
VSX0293
(5.85MHz):NV-V8000EB
X7902
(5.824MHz)
VSX0291
X7301
VSX0294
(16.9MHz)
CH "B" AUTO SLICE LEVEL DET
CH "A" AUTO SLICE LEVEL DET
ANALOGNE SW
WAVE FORM SH APER
DIFFERENTIAL AMP
PARALLER/SERIAL CONV
APC DET
MUTE DET
S/H PULSE GENERATOR
DIVIDER CIRCUIT
CLOCK VCXO
CLOCK AMP
PCM AMP
CARRIER VCXO
AGC AMP
AGC DET
SYNCHRONOUS CIRCUIT
DIS-SCRAMBLE CIRCUIT
TIMING PULSE GENERATOR
ADDRESS PULSE GEN.
CONTROL BIT DET
OUTPUT SELECT CIRCUIT
ERROR COMPENSATOR
RAM I/O CONTROL CIRCUIT
10BIT→14BIT EXTENSION CIRCUIT
RENG BIT DET CIRCUIT
MUTING CIRCUIT
PARITY CHECK CIRCUIT
ECL INTERFACE
ECL LOGIC CONTROL
S/H AMP
I-AMP
FL7315 VLF0701
FL7316 VLF0701
L.P.F
DECODER R
DECODER L
P7301 (TO SUB NICAM)
1 REG 5V P7951-1
2 TUNER 12V P7951-2
3 GND P7951-3
4 QPSK P7951-4
5 MONO 2 Ⓗ P7951-5
6 MONO 1 Ⓛ P7951-6
7 STEREO Ⓛ P7951-7
8 AUDIO (R) P7951-8
9 AUDIO (L) P7951-9
10 N. AUDIO P7951-10
11 A. DEF (S) P7951-11
12 GND P7951-12
13 MONO Ⓗ P7951-13
FL7309, FL7310, FL7313, FL7311
103
VLF0569 or ELXTS103EA
×4
FL7301 ~ FL7304
FL7314, FL7901, FL7902
223B
VLF0522 or VLF0523
×7
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
10
11
12

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MOD


12V
GND
5V
FL7301
223B
FL7302
FL7304
C7303 0.01
C7305 0.01
C7304 6.3V33
L7301 VLP0054
L7302 VLP0054
C7337 0.01
C7338 0.01
C7339 6.3V47
C7342 0.01
C7343 6.3V47
C7344 16V33
C7345 0.01
TP7302
TP7303
TP7304
L7303 4.7μ
L7304 4.7μ
L7305 4.7μ
R7302 47K
R7303 47K
R7304 47K
R7305 47K
R7350 47K
R7306 47K
FL7309
FL7310
FL7311
FL7313
103
FL7309, FL7310, FL7313, FL7311
103
VLF0569 or ELXTS103EA
×4
FL7301～FL7304
FL7314, FL7901, FL7902
223B
VLF0522 or VLF0523
×7
R7355 22K
22K
22K
QR7303
UN2112
(A.DEF (S):ON)
C7333 16V10
R7328 2700
R7329 2700
C7332 16V10
Q7302
2SB709
or 2SB710(SW)
R7330 4700
Q7303
2SD1328
(A.DEF:ON)
R7331 100K
R7332 100K
Q7304
2SD1328
(A.DEF:ON)
R7334 2700
C7336 16V10
R7333 2700
9
10
11
12

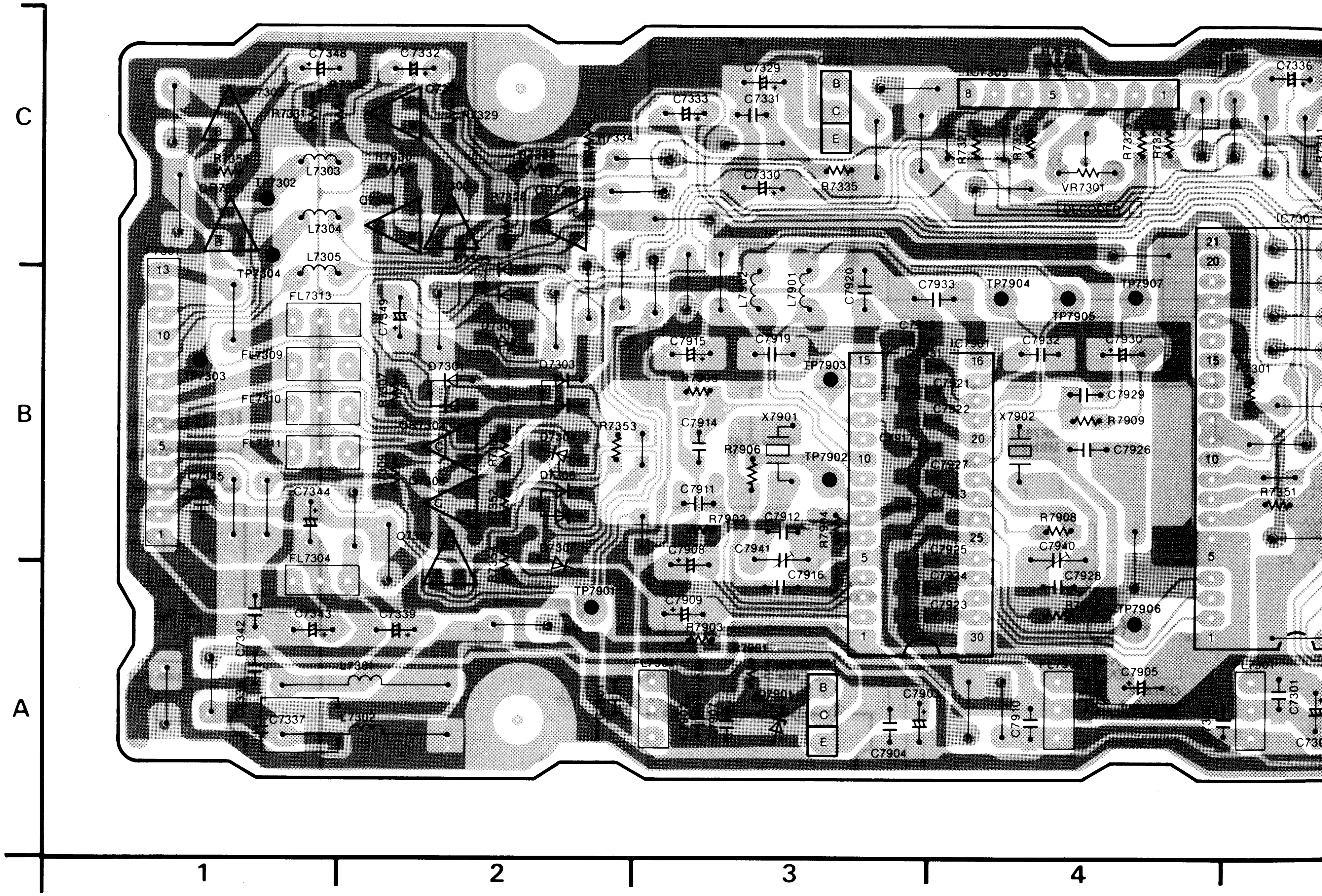
P7301 (TO SUB NICAM)

1	REG 5V	P7951-1
2	TUNER 12V	P7951-2
3	GND	P7951-3
4	QPSK	P7951-4
5	MONO 2 Ⓗ	P7951-5
6	MONO 1 Ⓛ	P7951-6
7	STEREO Ⓛ	P7951-7
8	AUDIO (R)	P7951-8
9	AUDIO (L)	P7951-9
10	N. AUDIO	P7951-10
11	A. DEF (S)	P7951-11
12	GND	P7951-12
13	MONO Ⓗ	P7951-13

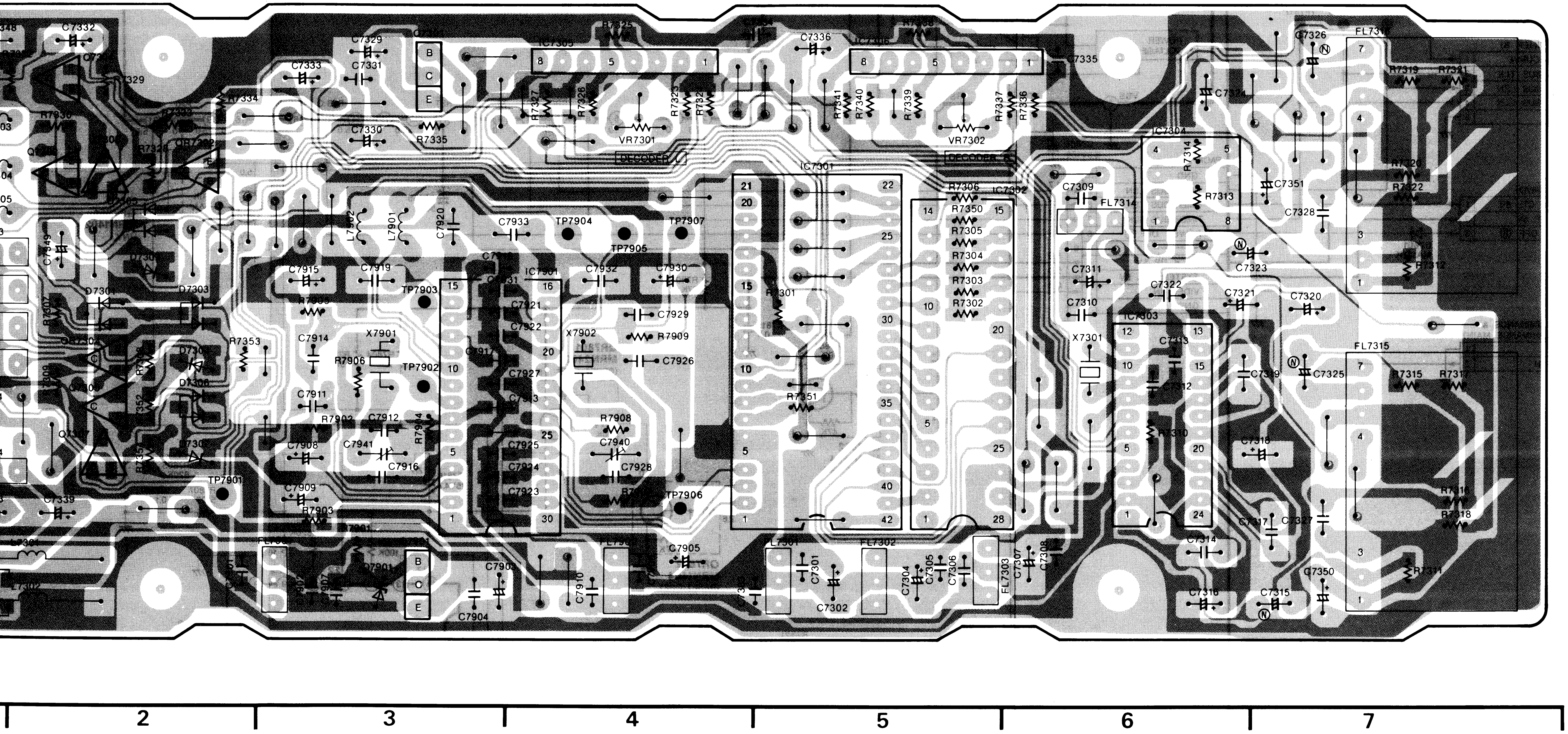
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-60. NICAM DECODER C.B.A. (VEP07549A: NV-V8000B) (VEP07549B: NV-V8000EB)


C
B
A
1
2
3
4
C7348
C7332
C7329
C7333
C7331
C7330
C7336
IC7303
IC7301
IC7901
R7331
R7329
R7355
R7334
R7335
R7327
R7326
R7323
VR7301
DECODER
TP7302
TP7304
TP7303
TP7901
TP7902
TP7903
TP7904
TP7905
TP7906
TP7907
L7303
L7304
L7305
L7301
L7302
L7901
FL7313
FL7309
FL7310
FL7311
FL7304
C7349
C7344
C7345
C7343
C7339
C7342
C7337
D7301
D7303
R7353
X7901
X7902
R7906
R7908
R7909
R7902
R7903
C7914
C7911
C7912
C7908
C7909
C7941
C7916
C7915
C7919
C7920
C7933
C7932
C7930
C7929
C7926
C7940
C7928
C7921
C7922
C7927
C7925
C7924
C7923
C7905
C7904
C7910
C7301
R7351
B
C
E

C.B.A. (VEP07549A: NV-V8000B) (VEP07549B: NV-V8000EB)

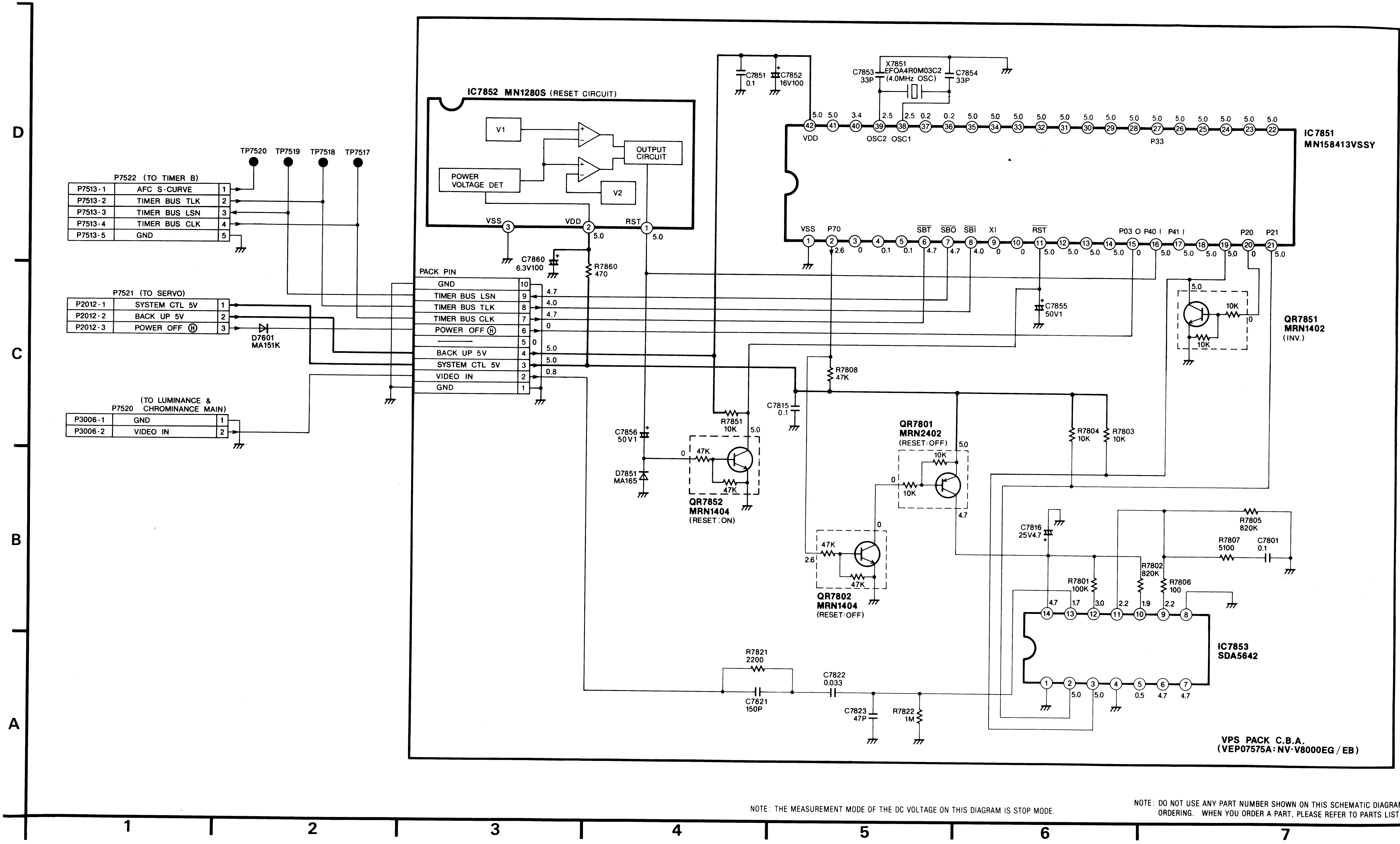

C7332
C7329
C7333
C7331
C7330
R7334
R7335
R7329
R7330
QR7302
Q7304
C7336
C7335
C7326
FL7316
IC7305
IC7306
R7327
R7326
R7323
VR7301
DECODER L
R7341
R7340
R7339
R7337
R7336
VR7302
DECODER R
C7324
C7351
R7319
R7321
IC7304
R7314
R7313
R7320
R7322
C7309
FL7314
C7328
IC7301
IC7302
R7306
R7350
R7305
R7304
R7303
R7302
R7301
R7351
C7323
R7312
C7311
C7310
C7322
C7321
C7320
IC7303
X7301
C7313
C7312
R7310
C7319
C7325
FL7315
R7315
R7317
C7318
R7316
R7318
C7317
C7327
C7314
C7316
C7315
C7350
R7311
L7902
L7901
C7920
C7933
TP7904
TP7907
TP7905
C7915
C7919
C7932
C7930
IC7901
C7931
C7921
C7922
C7929
TP7903
R7905
C7914
X7901
R7906
TP7902
X7902
R7909
C7926
C7917
C7927
C7911
R7902
C7912
R7904
C7941
C7916
R7908
C7940
C7928
C7925
C7924
C7923
C7908
C7909
R7903
TP7906
C7905
TP7901
C7339
C7549
D7301
D7303
D7302
R7353
R7307
QR7301
L7301
L7302
FL7301
FL7302
FL7303
C7301
C7302
C7304
C7305
C7306
C7307
C7308
D7901
C7902
C7904
C7910
B
C
E
2
3
4
5
6
7

NICAM DECODER C.B.A.	
Transistor	
Q7301	C-3
Q7302	C-2
Q7303	C-2
Q7304	C-2
Q7305	B-2
Q7307	B-2
Q7901	A-3
Transistor & Resistor	
QR7301	C-1
QR7302	C-2
QR7303	C-1
QR7304	B-2
Integrated Circuit	
IC7301	B-5
IC7302	B-5
IC7303	B-6
IC7304	C-6
IC7305	C-4
IC7306	C-5
IC7901	B-4
Test Point	
TP7302	C-1
TP7303	B-1
TP7304	C-1
TP7901	A-2
TP7902	B-3
TP7903	B-3
TP7904	B-4
TP7905	B-4
TP7906	A-4
TP7907	B-4
Adjustment	
VR7301	C-4
VR7302	C-5
C7940	B-4
C7941	B-3
Connector	
P7301	B-1

ADDRESS INFORMATION

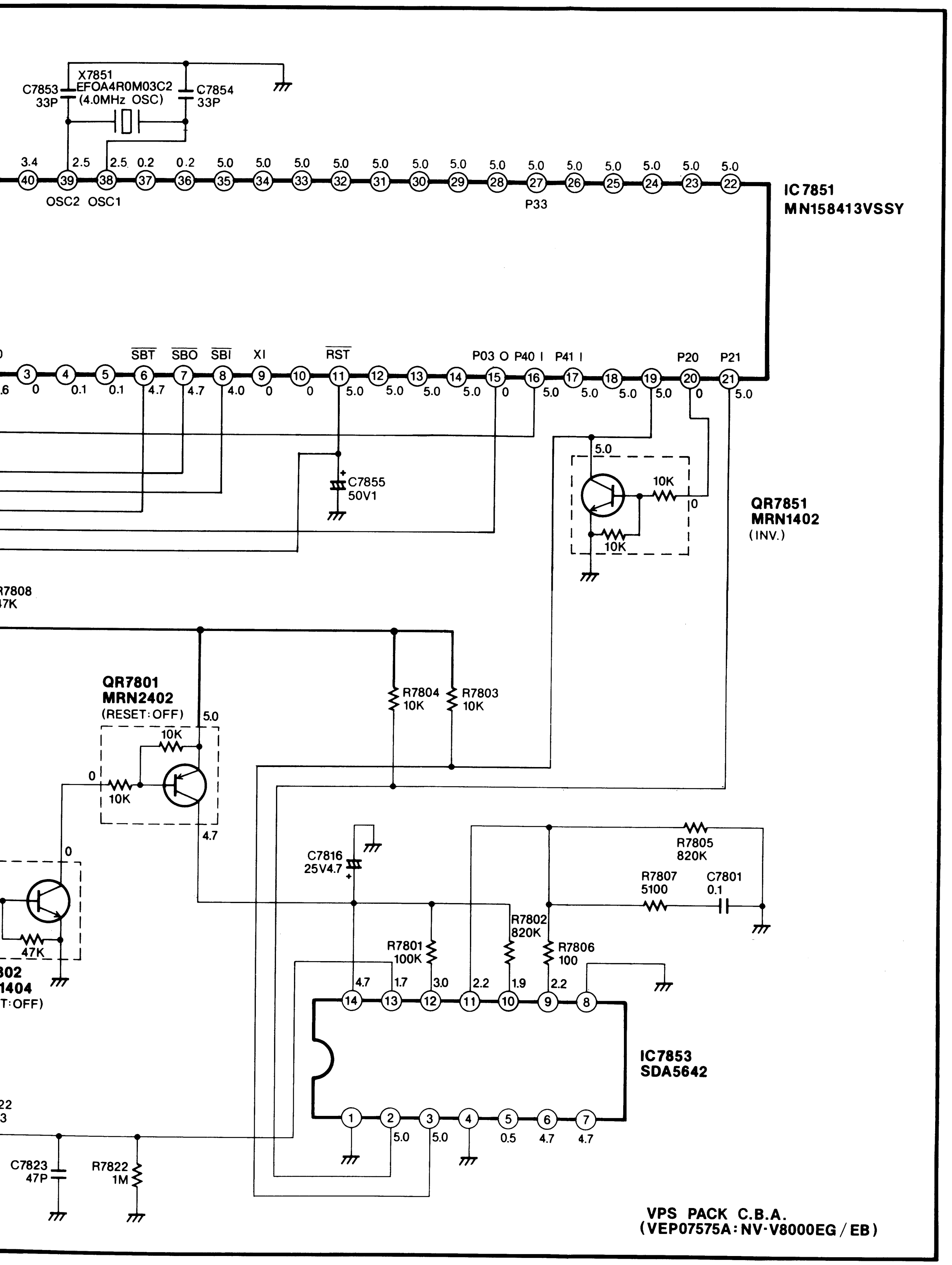
Next Page:
VPS & RF CONVERTER Section

3-61. VPS INTERFACE SCHEMATIC DIAGRAM (NV-V8000EG/EB)


D
C
B
A
1
2
3
4
5
6
7
TP7520
TP7519
TP7518
TP7517
P7522 (TO TIMER B)
P7513-1 AFC S-CURVE 1
P7513-2 TIMER BUS TLK 2
P7513-3 TIMER BUS LSN 3
P7513-4 TIMER BUS CLK 4
P7513-5 GND 5
P7521 (TO SERVO)
P2012-1 SYSTEM CTL 5V 1
P2012-2 BACK UP 5V 2
P2012-3 POWER OFF Ⓗ 3
D7601
MA151K
P7520 (TO LUMINANCE & CHROMINANCE MAIN)
P3006-1 GND 1
P3006-2 VIDEO IN 2
PACK PIN
GND 10
TIMER BUS LSN 9
TIMER BUS TLK 8
TIMER BUS CLK 7
POWER OFF Ⓗ 6
5
BACK UP 5V 4
SYSTEM CTL 5V 3
VIDEO IN 2
GND 1
IC7852 MN1280S (RESET CIRCUIT)
V1
V2
POWER VOLTAGE DET
OUTPUT CIRCUIT
VSS
VDD
RST
C7860
6.3V100
R7860
470
C7851
0.1
C7852
16V100
C7853
33P
X7851
EFOA4R0M03C2
(4.0MHz OSC)
C7854
33P
VDD
OSC2
OSC1
P33
IC7851
MN158413VSSY
VSS
P70
SBT
SBO
SBI
XI
RST
P03
O P40
I P41
I
P20
P21
C7855
50V1
QR7851
MRN1402
(INV.)
10K
10K
C7815
0.1
R7808
47K
R7851
10K
C7856
50V1
D7851
MA165
47K
47K
QR7852
MRN1404
(RESET:ON)
QR7801
MRN2402
(RESET:OFF)
10K
10K
R7804
10K
R7803
10K
47K
47K
QR7802
MRN1404
(RESET:OFF)
C7816
25V4.7
R7805
820K
R7807
5100
C7801
0.1
R7802
820K
R7801
100K
R7806
100
IC7853
SDA5642
R7821
2200
C7821
150P
C7822
0.033
C7823
47P
R7822
1M
VPS PACK C.B.A.
(VEP07575A: NV-V8000EG/EB)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRA
ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST


C7853 33P
X7851 EFOA4R0M03C2 (4.0MHz OSC)
C7854 33P
OSC2
OSC1
P33
IC7851 MN158413VSSY
SBT
SBO
SBI
XI
RST
P03
P40
P41
P20
P21
C7855 50V1
QR7851 MRN1402 (INV.)
10K
R7808 47K
QR7801 MRN2402 (RESET: OFF)
R7804 10K
R7803 10K
C7816 25V4.7
R7805 820K
R7807 5100
C7801 0.1
R7802 820K
R7801 100K
R7806 100
IC7853 SDA5642
C7823 47P
R7822 1M
VPS PACK C.B.A. (VEP07575A: NV-V8000EG/EB)
5
6
7

T MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

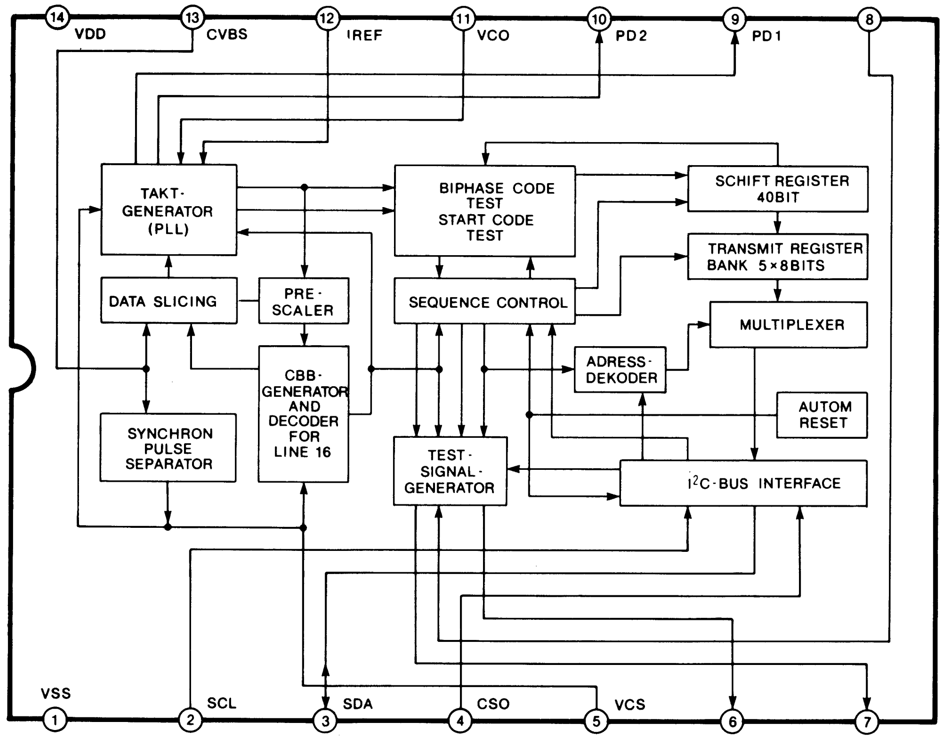
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

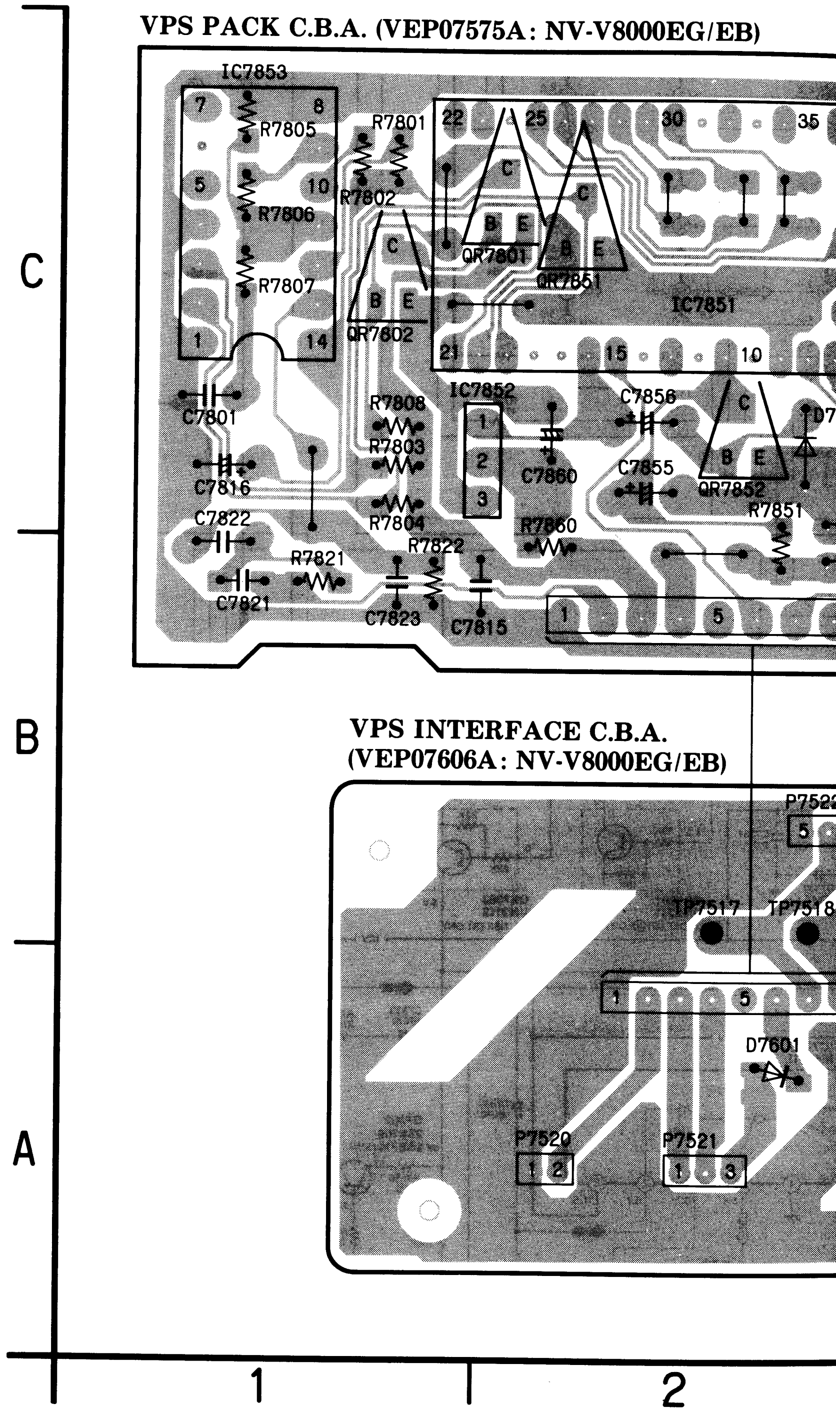
VPS INTERFACE C.B.A.	
Transistor & Resistor	
QR7801	C-2
QR7802	C-1
QR7851	C-2
QR7852	C-2
Integrated Circuit	
IC7851	C-2
IC7852	C-2
IC7853	C-1
Test Point	
TP7517	B-2
TP7518	B-2
TP7519	B-3
TP7520	B-3
Connector	
P7520	A-2
P7521	A-2
P7522	B-2

ADDRESS INFORMATION

IC BLOCK

IC7853 (SDA5642)

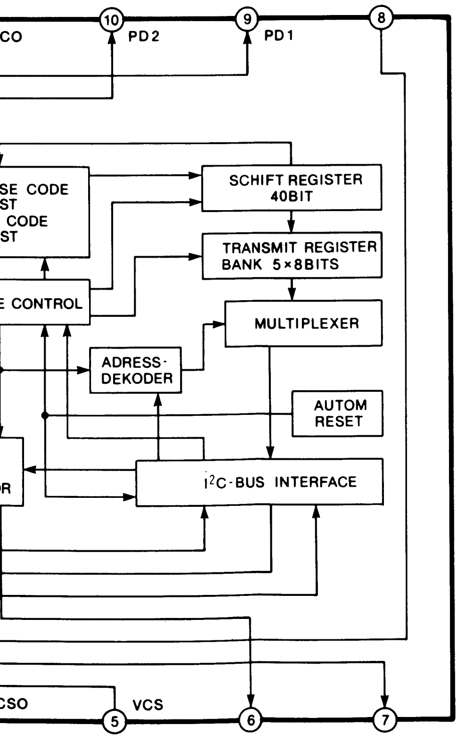

VDD
CVBS
IREF
VCO
PD2
PD1
TAKT-GENERATOR (PLL)
BIPHASE CODE TEST START CODE TEST
SCHIFT REGISTER 40BIT
TRANSMIT REGISTER BANK 5×8BITS
DATA SLICING
PRE-SCALER
SEQUENCE CONTROL
MULTIPLEXER
ADRESS-DEKODER
AUTOM RESET
SYNCHRON PULSE SEPARATOR
CBB-GENERATOR AND DECODER FOR LINE 16
TEST-SIGNAL-GENERATOR
I²C-BUS INTERFACE
VSS
SCL
SDA
CSO
VCS


VPS PACK C.B.A. (VEP07575A: NV-V8000EG/EB)

VPS INTERFACE C.B.A. (VEP07606A: NV-V8000EG/EB)
C
B
A
1
2
IC7853
R7805
R7806
R7807
R7801
R7802
QR7801
QR7802
QR7851
IC7851
IC7852
C7801
C7816
C7822
C7821
R7808
R7803
R7804
R7821
R7822
C7823
C7815
C7856
C7860
C7855
QR7852
R7851
R7860
P7522
TP7517
TP7518
D7601
P7520
P7521

RFACE C.B.A.	
& Resistor	
	C-2 C-1 C-2 C-2
Circuit	
	C-2 C-2 C-1
	B-2 B-2 B-3 B-3
r	
	A-2 A-2 B-2

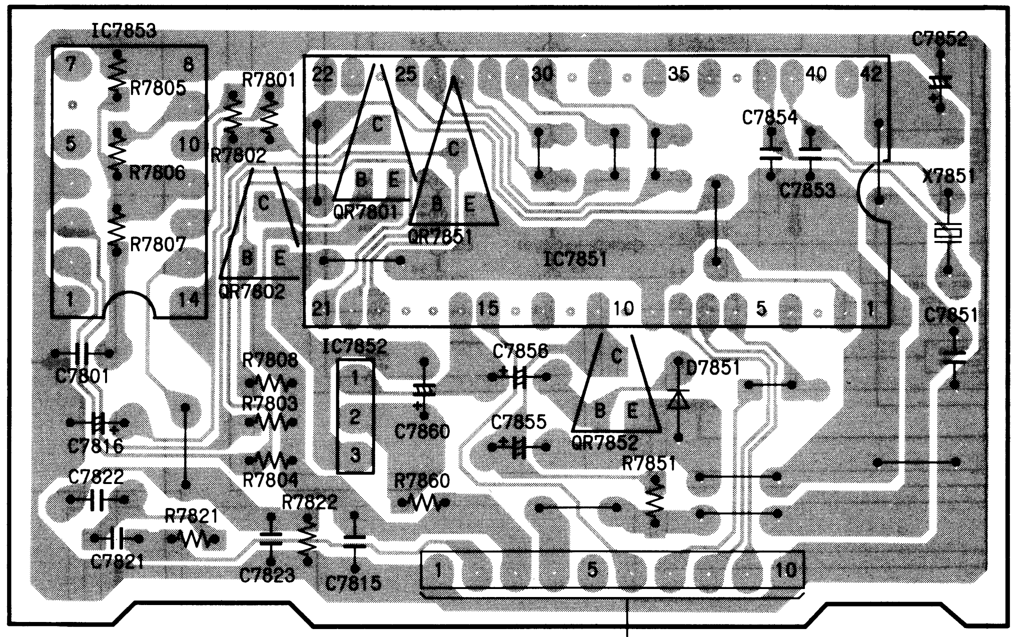
NFORMATION



CO
PD2
PD1
10
9
8
SE CODE
ST
CODE
ST
SCHIFT REGISTER 40BIT
TRANSMIT REGISTER BANK 5×8BITS
E CONTROL
MULTIPLEXER
ADRESS-DEKODER
AUTOM RESET
R
I²C-BUS INTERFACE
CSO
VCS
5
6
7

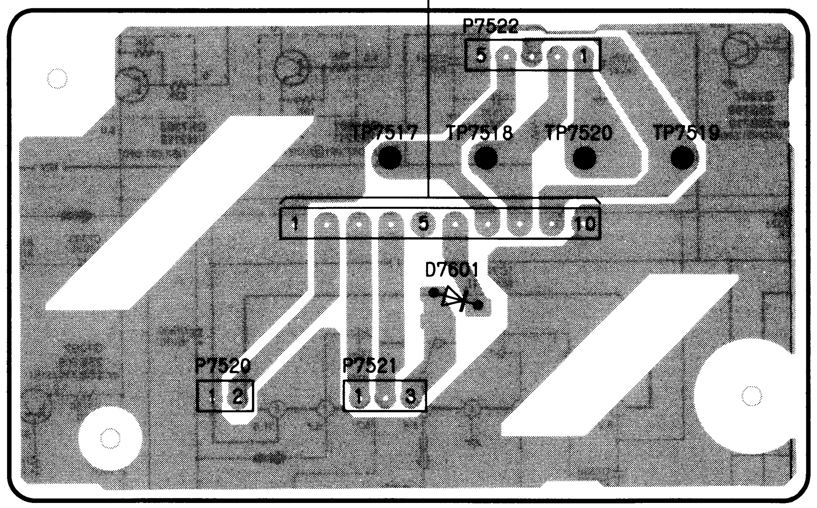
3-62. VPS INTERFACE C.B.A. (VEP07606A: NV-V8000EG/EB)

VPS PACK C.B.A. (VEP07575A: NV-V8000EG/EB)



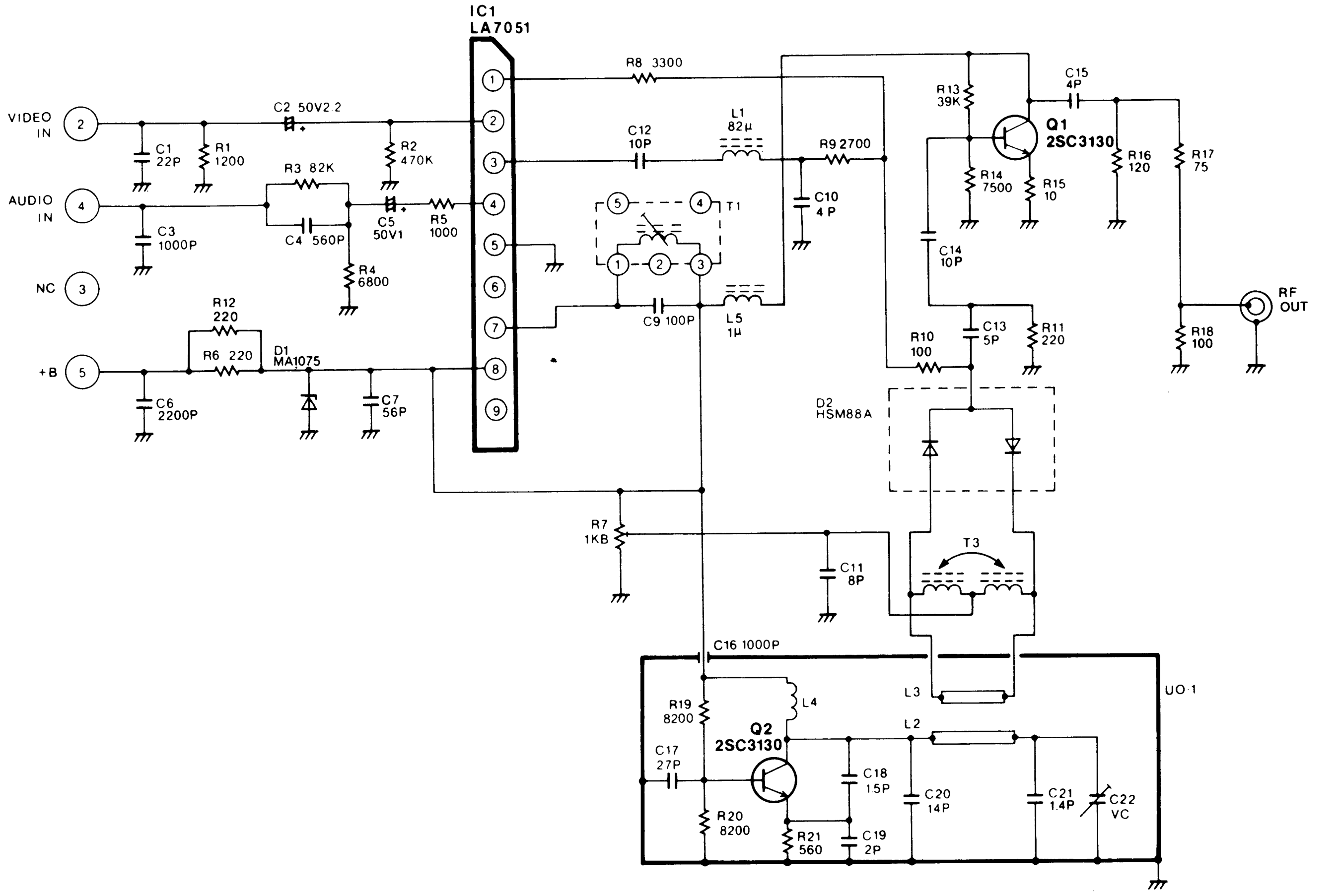
IC7853
7
8
5
10
1
14
R7805
R7806
R7807
R7801
R7802
QR7801
QR7851
QR7802
B
E
C
22
25
30
35
40
42
21
15
10
5
1
IC7851
C7852
C7854
C7853
X7851
C7851
C7801
C7816
C7822
C7821
C7823
C7815
R7808
R7803
R7804
R7821
R7822
IC7852
1
2
3
C7860
C7856
C7855
R7860
QR7852
D7851
R7851
1
5
10

VPS INTERFACE C.B.A.
(VEP07606A: NV-V8000EG/EB)



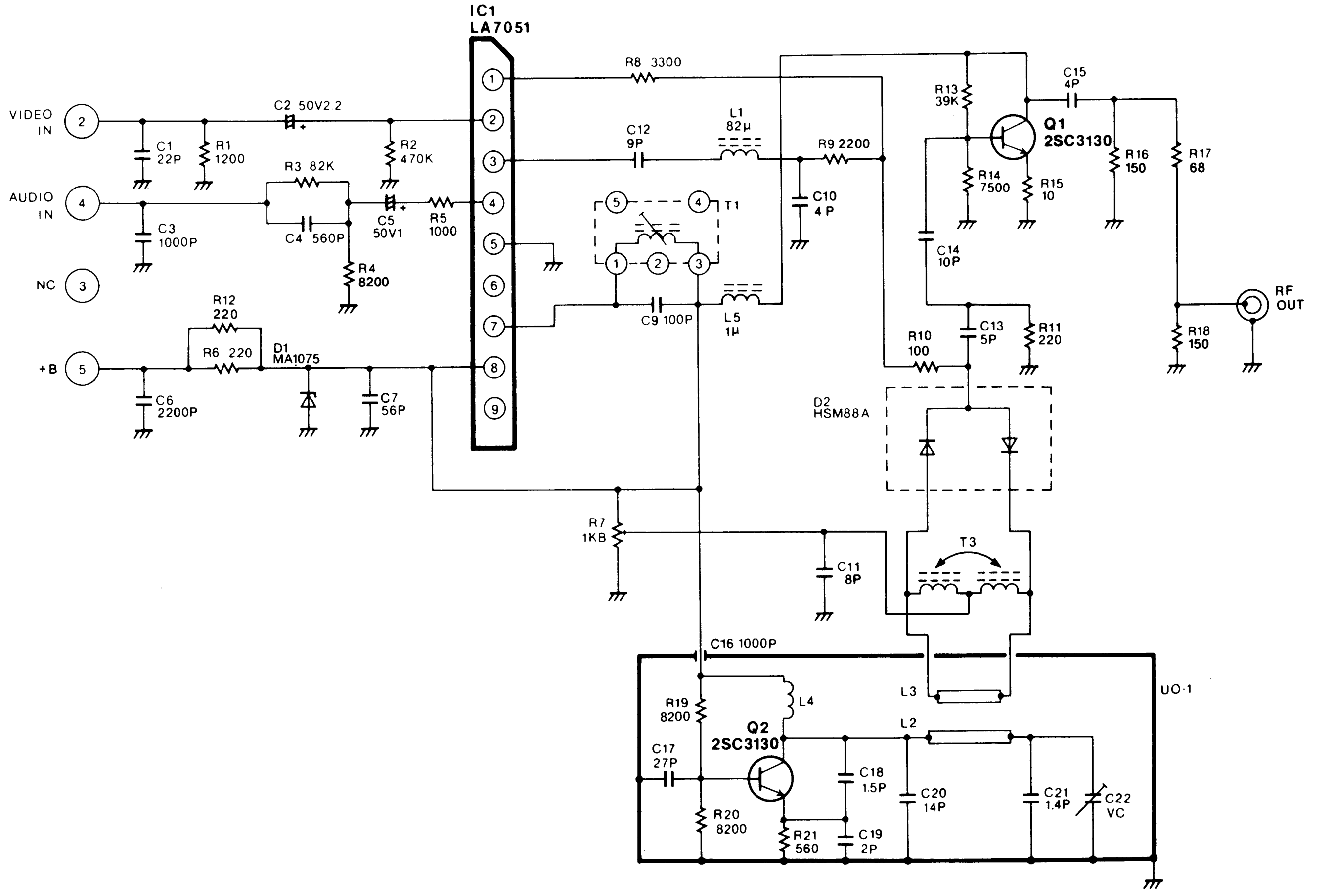
C
B
A
1
2
3
P7522
5
1
TP7517
TP7518
TP7520
TP7519
1
5
10
D7601
P7520
1
2
P7521
1
3

3-63. RF CONVERTER SCHEMATIC DIAGRAM (ENC17974: NV-V8000EG/EB)



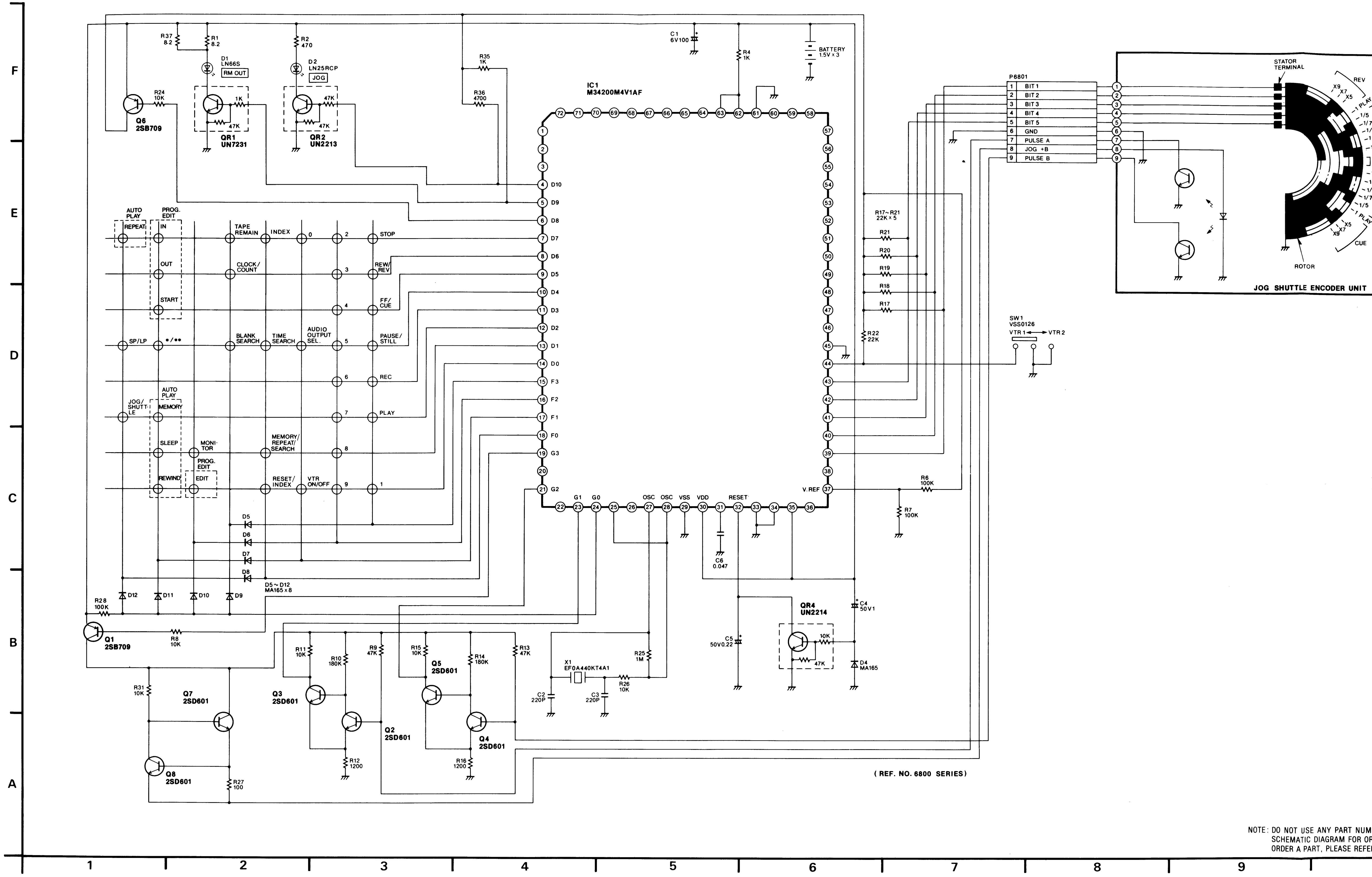
IC1
LA7051
VIDEO IN
AUDIO IN
NC
+B
2
4
3
5
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R5 1000
R4 6800
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 10P
L1 82μ
R9 2700
C10 4P
T1
C9 100P
L5 1μ
R13 39K
C15 4P
Q1 2SC3130
R16 120
R17 75
R14 7500
R15 10
C14 10P
C13 5P
R11 220
R10 100
R18 100
RF OUT
D2 HSM88A
T3
R7 1KB
C11 8P
C16 1000P
UO-1
L3
L2
R19 8200
L4
Q2 2SC3130
C17 27P
R20 8200
R21 560
C18 1.5P
C19 2P
C20 14P
C21 1.4P
C22 VC

3-64. RF CONVERTER SCHEMATIC DIAGRAM (ENC17972B: NV-V8000B)

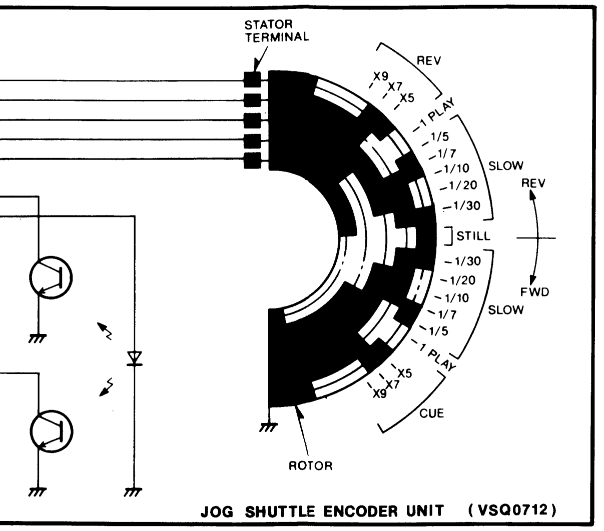


IC1
LA7051
VIDEO IN
AUDIO IN
NC
+B
2
4
3
5
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R5 1000
R4 8200
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 9P
L1 82μ
R9 2200
C10 4P
T1
C9 100P
L5 1μ
R13 39K
C15 4P
Q1 2SC3130
R16 150
R17 68
R14 7500
R15 10
C14 10P
C13 5P
R11 220
R10 100
R18 150
RF OUT
D2 HSM88A
T3
R7 1KB
C11 8P
C16 1000P
UO-1
L3
L2
R19 8200
L4
Q2 2SC3130
C17 27P
R20 8200
R21 560
C18 1.5P
C19 2P
C20 14P
C21 1.4P
C22 VC

3-65. JOG REMOTE CONTROLLER SCHEMATIC DIAGRAM — UNIT NO.: VEQ1215 —


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
R37 8.2
R1 8.2
R2 470
D1 LN66S
RM OUT
D2 LN25RCP
JOG
R24 10K
Q6 2SB709
QR1 UN7231
QR2 UN2213
1K
47K
R35 1K
R36 4700
IC1 M34200M4V1AF
C1 6V100
R4 1K
BATTERY 1.5V × 3
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
F3
F2
F1
F0
G3
G2
G1
G0
OSC
VSS
VDD
RESET
V.REF
AUTO PLAY
REPEAT
PROG. EDIT
IN
OUT
START
TAPE REMAIN
INDEX
CLOCK/ COUNT
BLANK SEARCH
TIME SEARCH
AUDIO OUTPUT SEL.
SP/LP
•/••
JOG/ SHUTTLE
MEMORY
SLEEP
REWIND
MONITOR
EDIT
MEMORY/ REPEAT/ SEARCH
RESET/ INDEX
VTR ON/OFF
STOP
REW/ REV
FF/ CUE
PAUSE/ STILL
REC
PLAY
0
1
2
3
4
5
6
7
8
9
D5~D12 MA165 × 8
D12
D11
D10
D9
R28 100K
Q1 2SB709
R8 10K
R31 10K
Q7 2SD601
Q8 2SD601
R27 100
R11 10K
R10 180K
R9 47K
Q3 2SD601
Q2 2SD601
R12 1200
R15 10K
R14 180K
R13 47K
Q5 2SD601
Q4 2SD601
R16 1200
X1 EF0A440KT4A1
C2 220P
C3 220P
R26 10K
R25 1M
C6 0.047
C5 50V0.22
QR4 UN2214
10K
47K
C4 50V1
D4 MA165
R17~R21 22K × 5
R21
R20
R19
R18
R17
R22 22K
R6 100K
R7 100K
SW1 VSS0126
VTR 1 ←→ VTR 2
P6801
BIT 1
BIT 2
BIT 3
BIT 4
BIT 5
GND
PULSE A
JOG +B
PULSE B
STATOR TERMINAL
ROTOR
REV
CUE
X9
X7
X5
1/5
1/7
JOG SHUTTLE ENCODER UNIT
(REF. NO. 6800 SERIES)

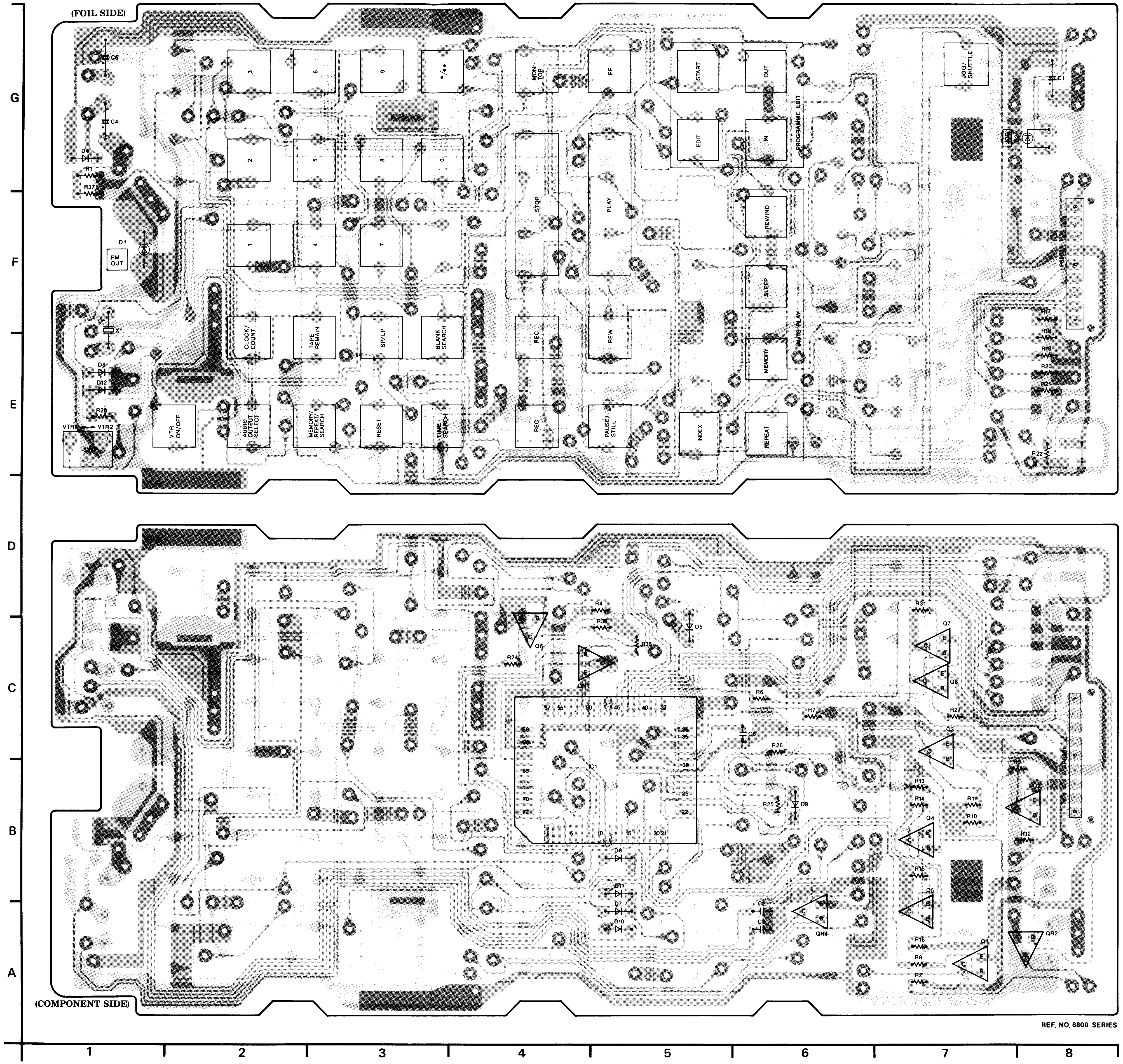
NOTE: DO NOT USE ANY PART NUM
SCHEMATIC DIAGRAM FOR OF
ORDER A PART, PLEASE REFE


STATOR TERMINAL
REV
X9
X7
X5
PLAY
1/5
1/7
1/10
1/20
1/30
SLOW
REV
STILL
1/30
1/20
1/10
1/7
1/5
SLOW
FWD
PLAY
X5
X7
X9
CUE
ROTOR
JOG SHUTTLE ENCODER UNIT (VSQ0712)

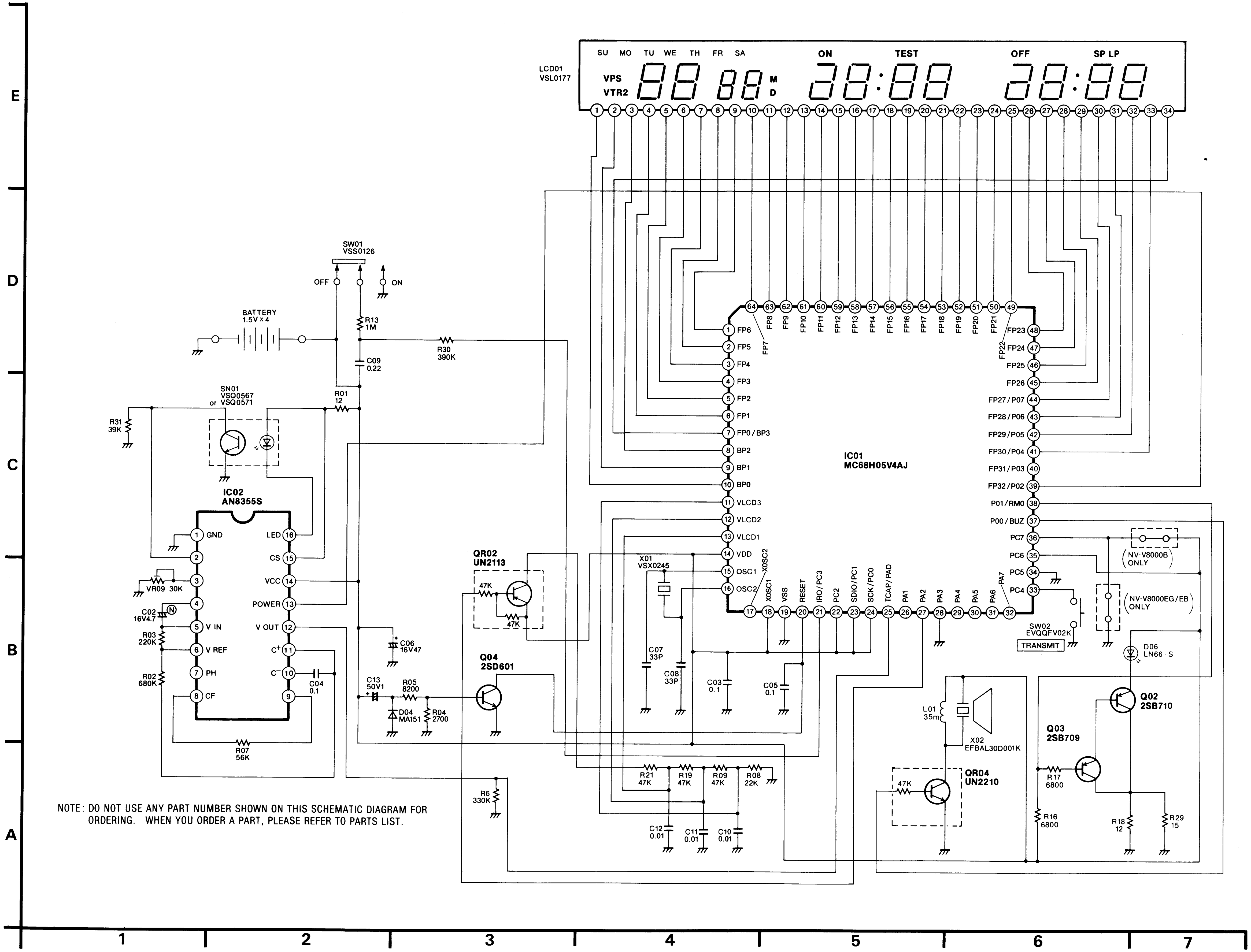
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

9
10

3-66. JOG REMOTE CONTROLLER C.B.A. (VEP66151B)


(FOIL SIDE)
C5
C4
D4
R1
R37
D1
RM OUT
X1
D8
D12
R28
VTR1
VTR2
3
6
9
•/••
MONI-TOR
FF
START
OUT
JOG/SHUTTLE
C1
2
5
8
0
EDIT
IN
PROGRAMME EDIT
1
4
7
STOP
PLAY
REWIND
SLEEP
AUTO PLAY
CLOCK/COUNT
TAPE REMAIN
SP/LP
BLANK SEARCH
REC
REW
MEMORY
VTR ON/OFF
AUDIO OUTPUT SELECT
MEMORY/REPEAT/SEARCH
RESET
TIME SEARCH
REC
PAUSE/STILL
INDEX
REPEAT
R17
R18
R19
R20
R21
R22
(COMPONENT SIDE)
Q6
R4
R36
R35
D5
R24
QR1
IC1
R31
Q7
Q8
R6
R7
R27
C6
Q3
R26
R25
D9
R13
R14
R11
R10
R9
Q4
R12
D6
D11
D7
D10
C2
C3
QR4
R15
Q5
R16
R8
R2
Q1
QR2
REF. NO. 6800 SERIES
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8

3-67. DIGITAL SCANNER SCHEMATIC DIAGRAM
—— UNIT NO.: VEQ1325 (NV-V8000EG/EB), VEQ1326 (NV-V8000B) ——

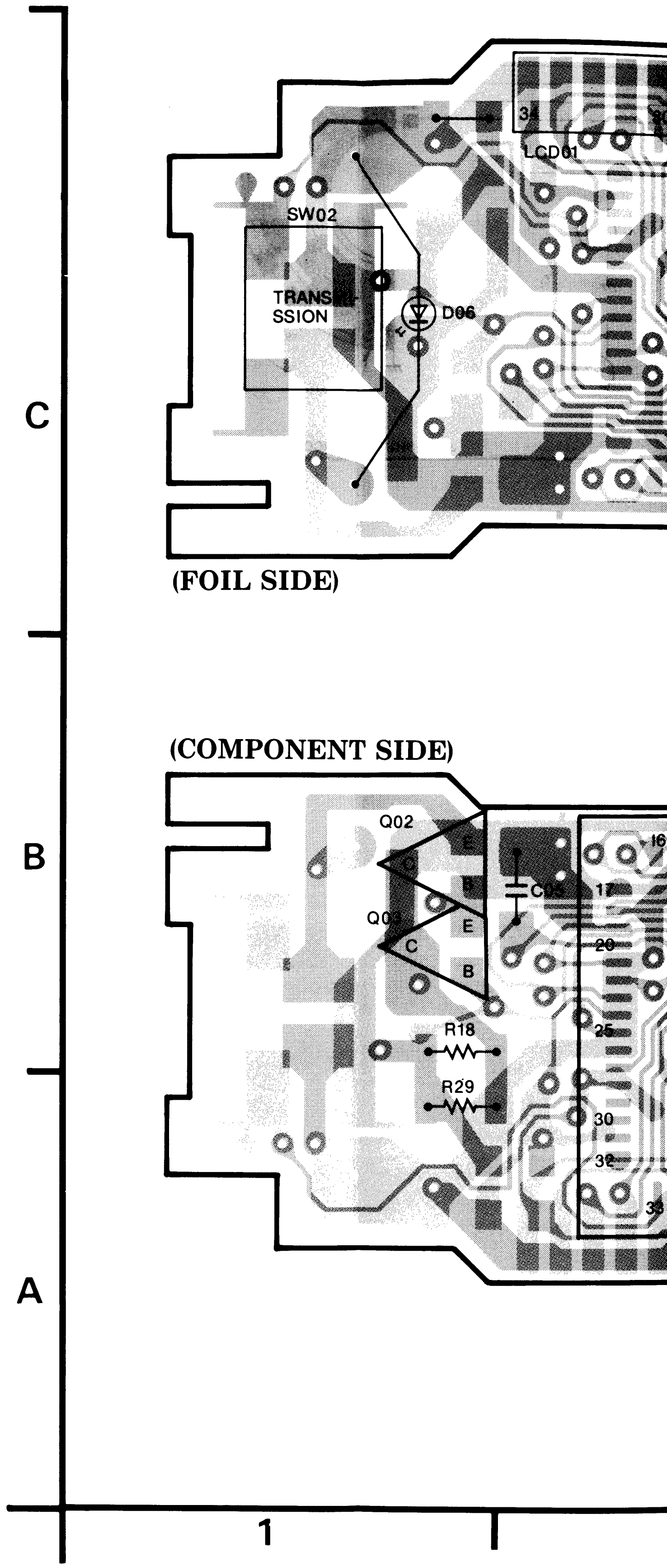


E
D
C
B
A
1
2
3
4
5
6
7
LCD01
VSL0177
SU MO TU WE TH FR SA
ON
TEST
OFF
SP LP
VPS
VTR2
M
D
SW01
VSS0126
OFF
ON
BATTERY
1.5V x 4
R13
1M
C09
0.22
R30
390K
SN01
VSQ0567
or VSQ0571
R01
12
R31
39K
IC02
AN8355S
GND
LED
CS
VCC
POWER
V IN
V OUT
V REF
PH
CF
VR09 30K
C02
16V4.7
R03
220K
R02
680K
C04
0.1
R07
56K
C06
16V47
C13
50V1
R05
8200
D04
MA151
R04
2700
QR02
UN2113
47K
47K
Q04
2SD601
R6
330K
IC01
MC68H05V4AJ
FP6
FP5
FP4
FP3
FP2
FP1
FP0/BP3
BP2
BP1
BP0
VLCD3
VLCD2
VLCD1
VDD
OSC1
OSC2
XOSC1
XOSC2
VSS
RESET
IRQ/PC3
PC2
SDIO/PC1
SCK/PC0
TCAP/PAD
PA1
PA2
PA3
PA4
PA5
PA6
PA7
FP7
FP8
FP9
FP10
FP11
FP12
FP13
FP14
FP15
FP16
FP17
FP18
FP19
FP20
FP21
FP22
FP23
FP24
FP25
FP26
FP27/P07
FP28/P06
FP29/P05
FP30/P04
FP31/P03
FP32/P02
P01/RMO
P00/BUZ
PC7
PC6
PC5
PC4
X01
VSX0245
C07
33P
C08
33P
C03
0.1
C05
0.1
R21
47K
R19
47K
R09
47K
R08
22K
C12
0.01
C11
0.01
C10
0.01
NV-V8000B
ONLY
NV-V8000EG/EB
ONLY
SW02
EVQQFV02K
TRANSMIT
D06
LN66·S
L01
35m
X02
EFBAL30D001K
QR04
UN2210
47K
Q02
2SB710
Q03
2SB709
R17
6800
R16
6800
R18
12
R29
15

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
JOG REMOTE CONTROLLER Section

3-68. DIGITAL SCANNER C.B.A. (VE

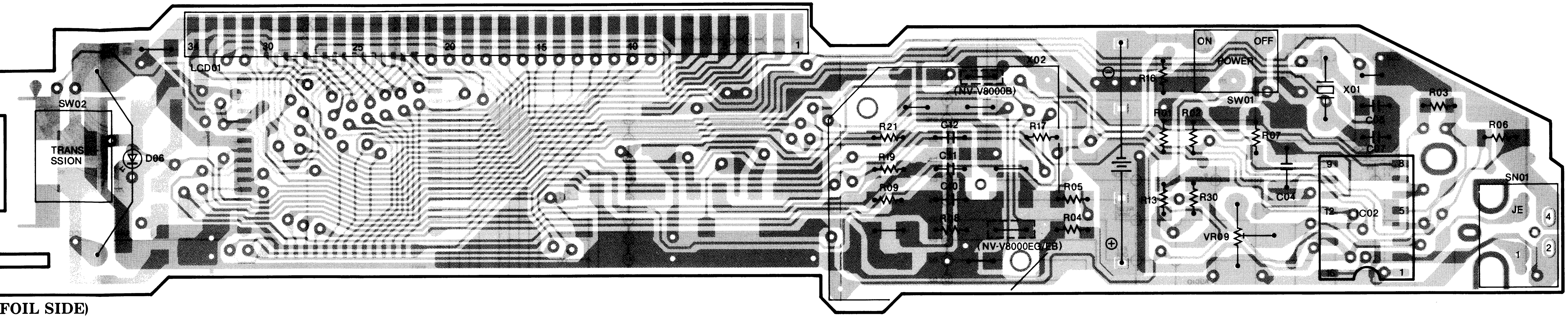


C
B
A
1
LCD01
SW02
TRANSMI
SSION
D06
Q02
Q03
C05
E
B
C
R18
R29
17
20
25
30
32
34

(FOIL SIDE)

(COMPONENT SIDE)

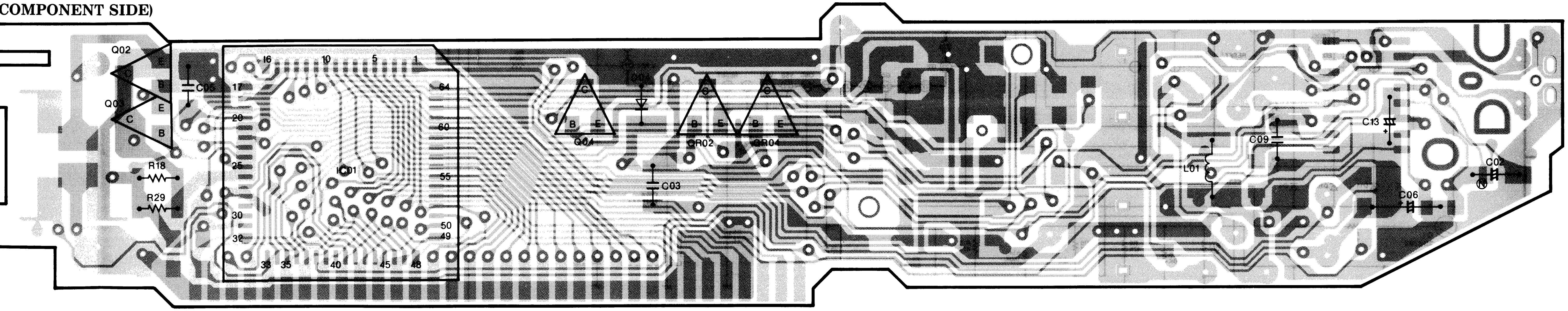
ITAL SCANNER C.B.A. (VEP66126D: NV-V8000EG/EB) (VEP66126C: NV-V8000B)



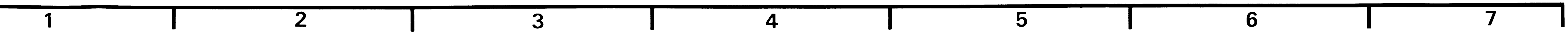
LCD01
SW02
TRANS
SSION
D06
X02
(NV-V8000B)
R21
C12
R19
C11
R09
C10
R08
(NV-V8000EG/EB)
R17
R05
R04
R16
ON
OFF
POWER
SW01
X01
R03
R06
C05
C01
R07
R13
R30
C04
VR09
IC02
SN01
JE

FOIL SIDE)

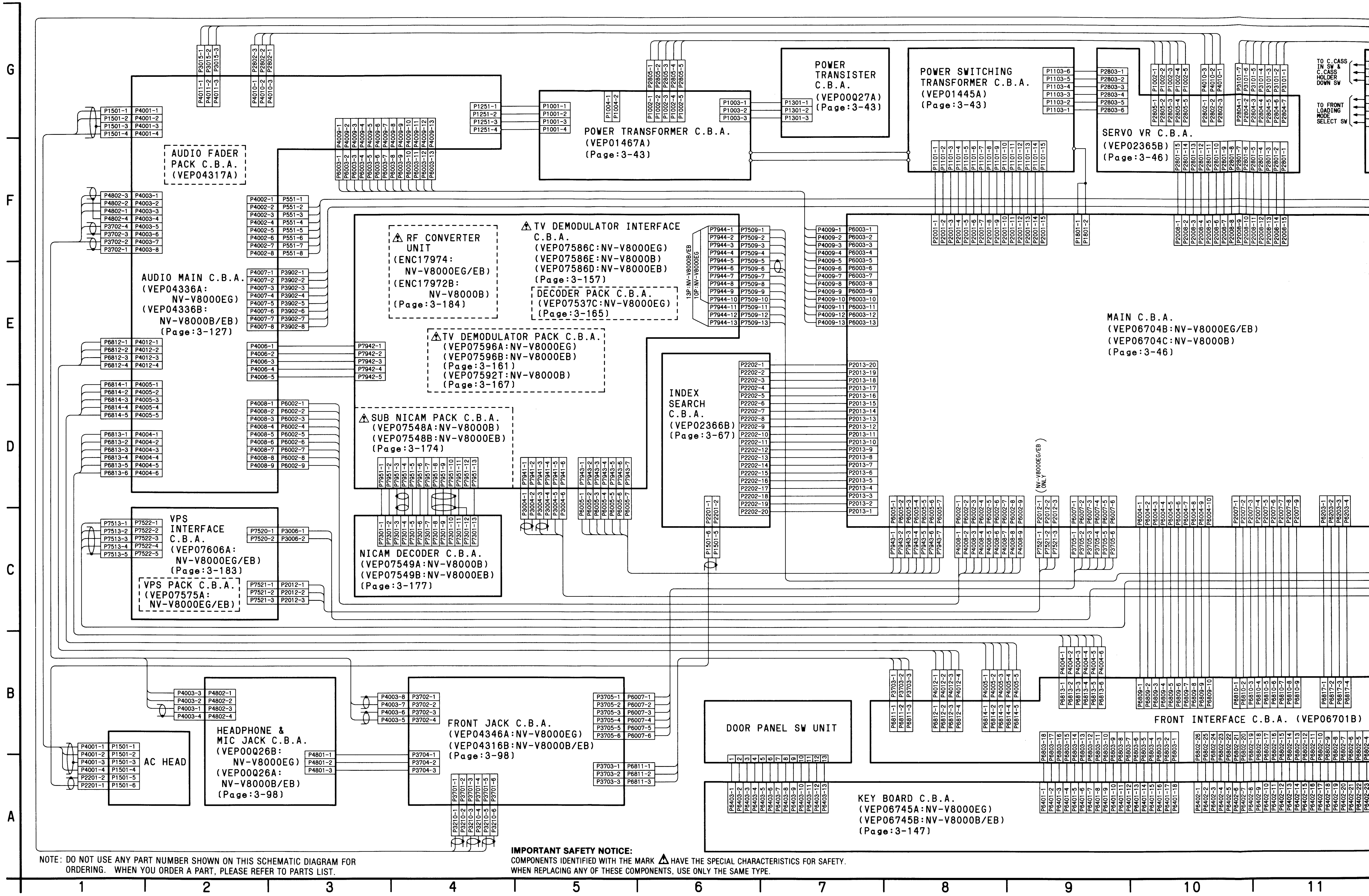
COMPONENT SIDE)



Q02
Q03
C05
R18
R29
IC01
Q04
C04
C03
QR02
QR04
L01
C09
C13
C02
C06

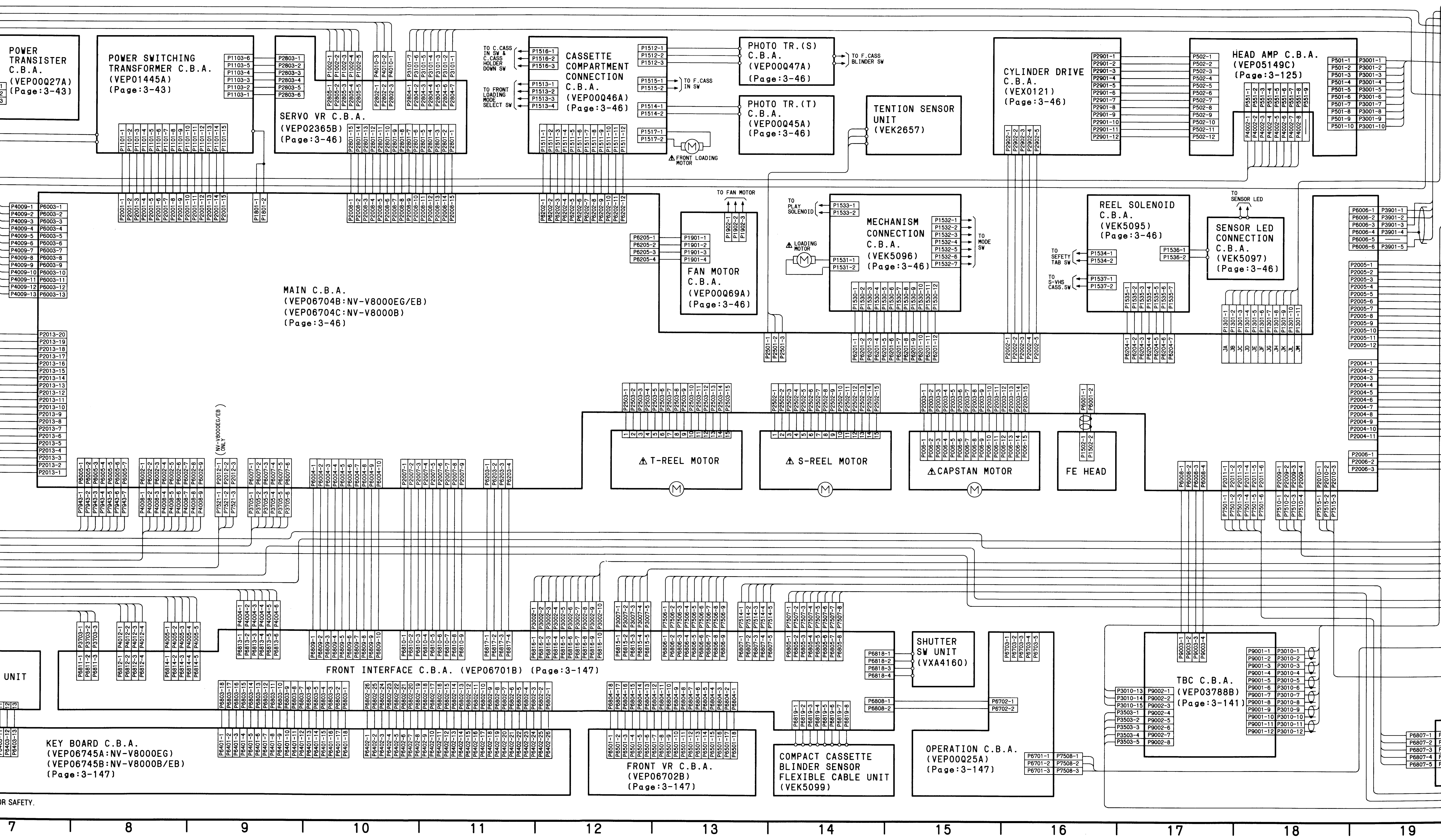


3-69. INTERCONNECTION SCHEMATIC DIAGRAM


G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
AUDIO FADER PACK C.B.A. (VEP04317A)
AUDIO MAIN C.B.A. (VEP04336A: NV-V8000EG) (VEP04336B: NV-V8000B/EB) (Page:3-127)
POWER TRANSFORMER C.B.A. (VEP01467A) (Page:3-43)
POWER TRANSISTER C.B.A. (VEP00Q27A) (Page:3-43)
POWER SWITCHING TRANSFORMER C.B.A. (VEP01445A) (Page:3-43)
SERVO VR C.B.A. (VEP02365B) (Page:3-46)
TO C.CASS IN SW & C.CASS HOLDER DOWN SW
TO FRONT LOADING MODE SELECT SW
⚠ RF CONVERTER UNIT (ENC17974: NV-V8000EG/EB) (ENC17972B: NV-V8000B) (Page:3-184)
⚠ TV DEMODULATOR INTERFACE C.B.A. (VEP07586C:NV-V8000EG) (VEP07586E:NV-V8000B) (VEP07586D:NV-V8000EB) (Page:3-157)
DECODER PACK C.B.A. (VEP07537C:NV-V8000EG) (Page:3-165)
13P:NV-V8000B/EB
10P:NV-V8000EG
⚠ TV DEMODULATOR PACK C.B.A. (VEP07596A:NV-V8000EG) (VEP07596B:NV-V8000EB) (Page:3-161) (VEP07592T:NV-V8000B) (Page:3-167)
⚠ SUB NICAM PACK C.B.A. (VEP07548A:NV-V8000B) (VEP07548B:NV-V8000EB) (Page:3-174)
NICAM DECODER C.B.A. (VEP07549A:NV-V8000B) (VEP07549B:NV-V8000EB) (Page:3-177)
INDEX SEARCH C.B.A. (VEP02366B) (Page:3-67)
MAIN C.B.A. (VEP06704B:NV-V8000EG/EB) (VEP06704C:NV-V8000B) (Page:3-46)
(NV-V8000EG/EB ONLY)
VPS INTERFACE C.B.A. (VEP07606A: NV-V8000EG/EB) (Page:3-183)
VPS PACK C.B.A. (VEP07575A: NV-V8000EG/EB)
AC HEAD
HEADPHONE & MIC JACK C.B.A. (VEP00Q26B: NV-V8000EG) (VEP00Q26A: NV-V8000B/EB) (Page:3-98)
FRONT JACK C.B.A. (VEP04346A:NV-V8000EG) (VEP04316B:NV-V8000B/EB) (Page:3-98)
DOOR PANEL SW UNIT
FRONT INTERFACE C.B.A. (VEP06701B)
KEY BOARD C.B.A. (VEP06745A:NV-V8000EG) (VEP06745B:NV-V8000B/EB) (Page:3-147)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.


POWER TRANSISTER C.B.A. (VEP00Q27A) (Page:3-43)
POWER SWITCHING TRANSFORMER C.B.A. (VEP01445A) (Page:3-43)
SERVO VR C.B.A. (VEP02365B) (Page:3-46)
TO C.CASS IN SW & C.CASS HOLDER DOWN SW
TO FRONT LOADING MODE SELECT SW
CASSETTE COMPARTMENT CONNECTION C.B.A. (VEP00Q46A) (Page:3-46)
TO F.CASS IN SW
⚠ FRONT LOADING MOTOR
PHOTO TR.(S) C.B.A. (VEP00Q47A) (Page:3-46)
TO F.CASS BLINDER SW
PHOTO TR.(T) C.B.A. (VEP00Q45A) (Page:3-46)
TENTION SENSOR UNIT (VEK2657)
CYLINDER DRIVE C.B.A. (VEX0121) (Page:3-46)
HEAD AMP C.B.A. (VEP05149C) (Page:3-125)
TO FAN MOTOR
FAN MOTOR C.B.A. (VEP00Q69A) (Page:3-46)
TO PLAY SOLENOID
⚠ LOADING MOTOR
MECHANISM CONNECTION C.B.A. (VEK5096) (Page:3-46)
TO MODE SW
REEL SOLENOID C.B.A. (VEK5095) (Page:3-46)
TO SAFETY TAB SW
TO S-VHS CASS.SW
TO SENSOR LED
SENSOR LED CONNECTION C.B.A. (VEK5097) (Page:3-46)
MAIN C.B.A. (VEP06704B:NV-V8000EG/EB) (VEP06704C:NV-V8000B) (Page:3-46)
(NV-V8000EG/EB ONLY)
⚠ T-REEL MOTOR
⚠ S-REEL MOTOR
⚠ CAPSTAN MOTOR
FE HEAD
UNIT
FRONT INTERFACE C.B.A. (VEP06701B) (Page:3-147)
SHUTTER SW UNIT (VXA4160)
TBC C.B.A. (VEP03788B) (Page:3-141)
KEY BOARD C.B.A. (VEP06745A:NV-V8000EG) (VEP06745B:NV-V8000B/EB) (Page:3-147)
FRONT VR C.B.A. (VEP06702B) (Page:3-147)
COMPACT CASSETTE BLINDER SENSOR FLEXIBLE CABLE UNIT (VEK5099)
OPERATION C.B.A. (VEP00Q25A) (Page:3-147)
OR SAFETY.
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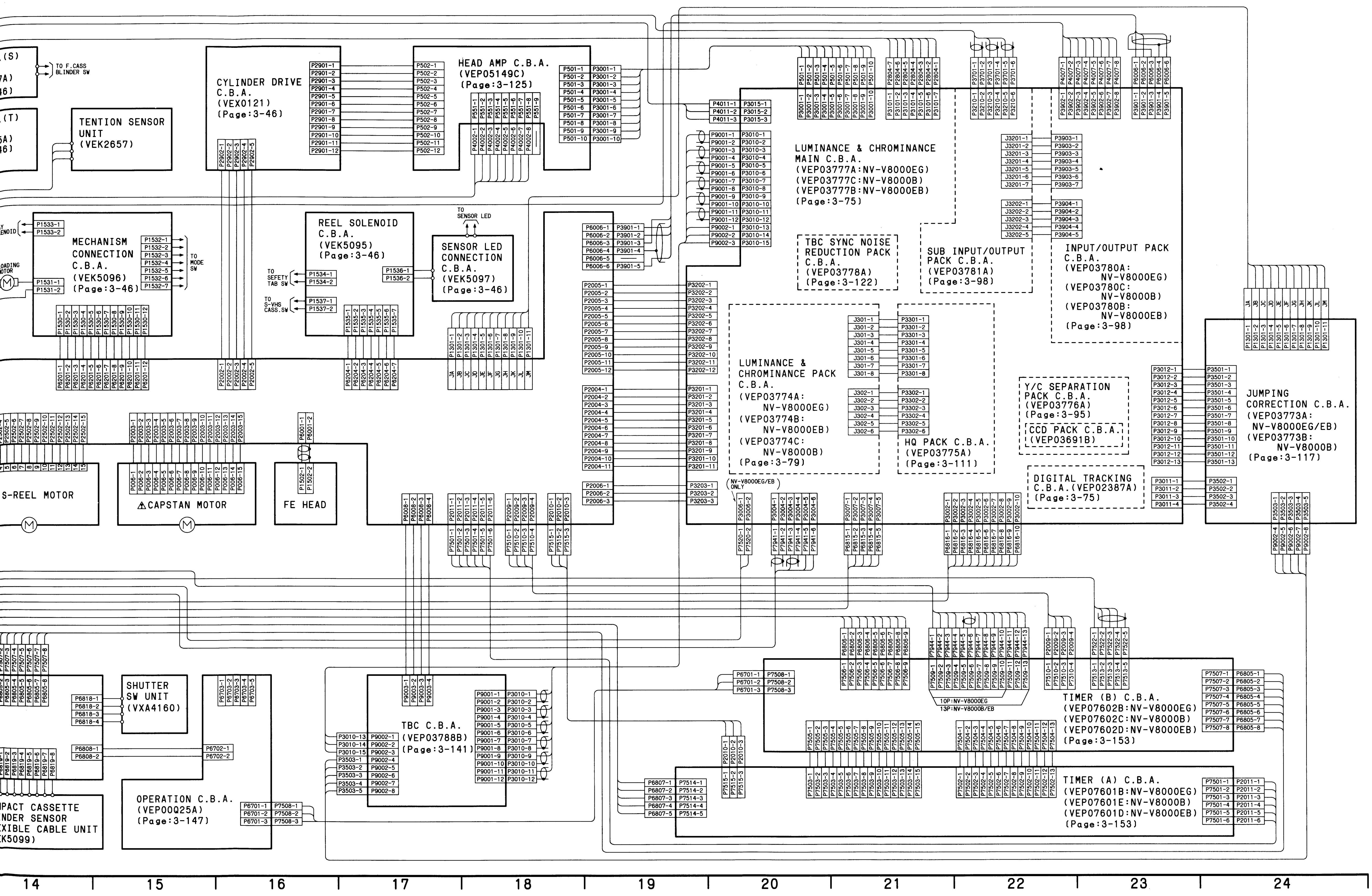
TO F.CASS BLINDER SW
CYLINDER DRIVE C.B.A. (VEX0121) (Page:3-46)
HEAD AMP C.B.A. (VEP05149C) (Page:3-125)
TENTION SENSOR UNIT (VEK2657)
MECHANISM CONNECTION C.B.A. (VEK5096) (Page:3-46)
TO MODE SW
LOADING MOTOR
REEL SOLENOID C.B.A. (VEK5095) (Page:3-46)
TO SAFETY TAB SW
TO S-VHS CASS.SW
TO SENSOR LED
SENSOR LED CONNECTION C.B.A. (VEK5097) (Page:3-46)
LUMINANCE & CHROMINANCE MAIN C.B.A. (VEP03777A:NV-V8000EG) (VEP03777C:NV-V8000B) (VEP03777B:NV-V8000EB) (Page:3-75)
TBC SYNC NOISE REDUCTION PACK C.B.A. (VEP03778A) (Page:3-122)
SUB INPUT/OUTPUT PACK C.B.A. (VEP03781A) (Page:3-98)
INPUT/OUTPUT PACK C.B.A. (VEP03780A: NV-V8000EG) (VEP03780C: NV-V8000B) (VEP03780B: NV-V8000EB) (Page:3-98)
LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03774A: NV-V8000EG) (VEP03774B: NV-V8000EB) (VEP03774C: NV-V8000B) (Page:3-79)
HQ PACK C.B.A. (VEP03775A) (Page:3-111)
Y/C SEPARATION PACK C.B.A. (VEP03776A) (Page:3-95)
CCD PACK C.B.A. (VEP03691B)
DIGITAL TRACKING C.B.A.(VEP02387A) (Page:3-75)
JUMPING CORRECTION C.B.A. (VEP03773A: NV-V8000EG/EB) (VEP03773B: NV-V8000B) (Page:3-117)
(NV-V8000EG/EB ONLY)
S-REEL MOTOR
⚠CAPSTAN MOTOR
FE HEAD
SHUTTER SW UNIT (VXA4160)
COMPACT CASSETTE BLINDER SENSOR FLEXIBLE CABLE UNIT (VEK5099)
OPERATION C.B.A. (VEP00Q25A) (Page:3-147)
TBC C.B.A. (VEP03788B) (Page:3-141)
TIMER (B) C.B.A. (VEP07602B:NV-V8000EG) (VEP07602C:NV-V8000B) (VEP07602D:NV-V8000EB) (Page:3-153)
10P:NV-V8000EG
13P:NV-V8000B/EB
TIMER (A) C.B.A. (VEP07601B:NV-V8000EG) (VEP07601E:NV-V8000B) (VEP07601D:NV-V8000EB) (Page:3-153)
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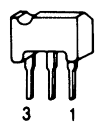
Next Page:
ICs & TRs INFORMATION Section

3-70. ICs & TRs INFORMATION



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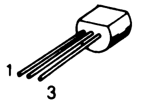
MN1280P
MN1280R
MN1280L



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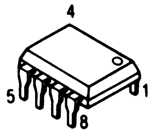
µPC78L06J



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LM393P
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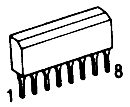

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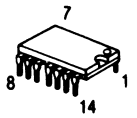

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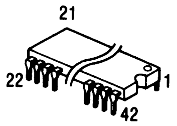
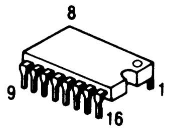
CX22013
SDA5642
MC14011BCP
MC14013BCP
MC14066BCP



TC6011N
MN158413VSSY



MN12C261D
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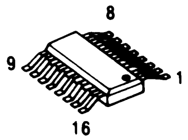

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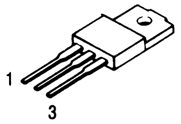

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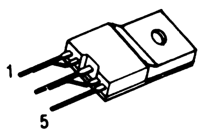

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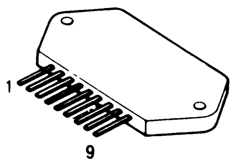

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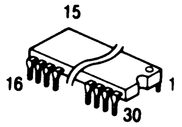

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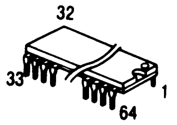

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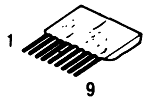

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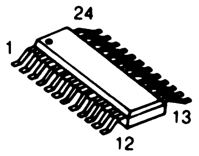

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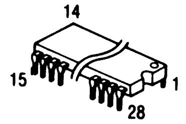

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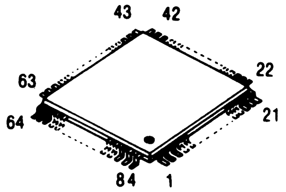
43
42
63
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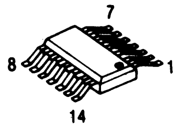
MN1882410VSY



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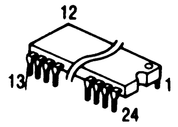

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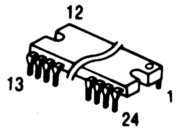

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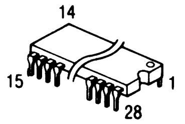

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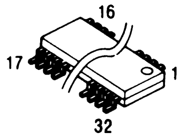

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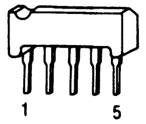

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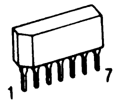

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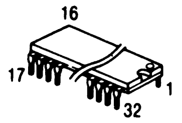

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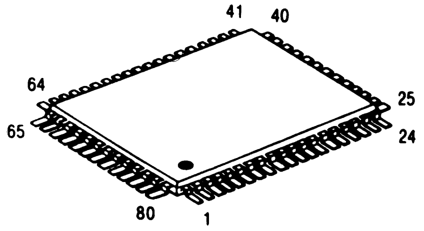
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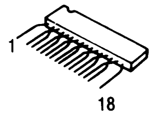

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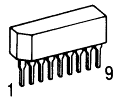

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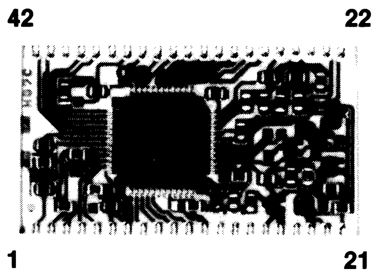

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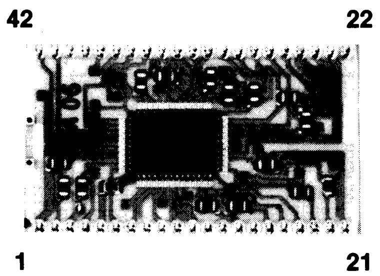

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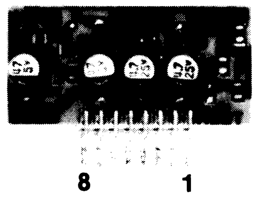

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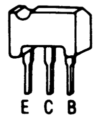

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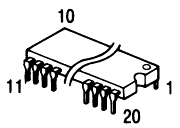

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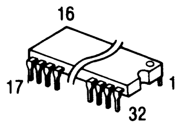

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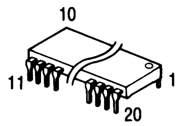

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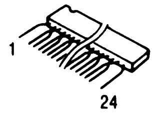

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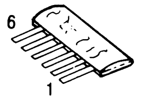

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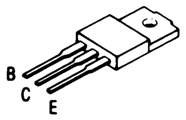

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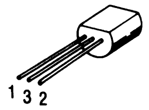

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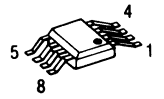

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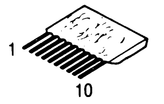

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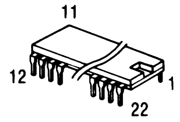

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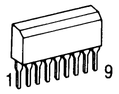

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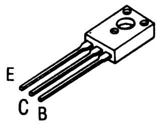

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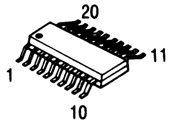

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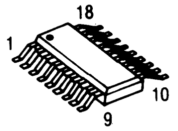

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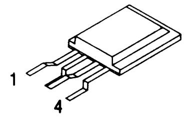

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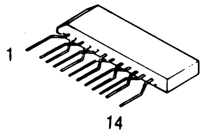

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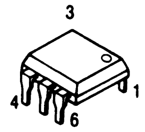

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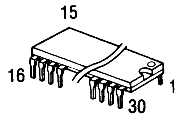

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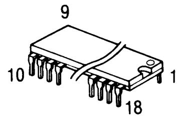

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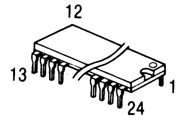

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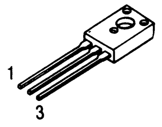

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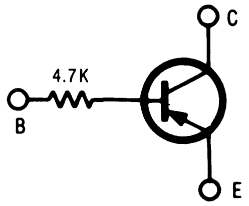

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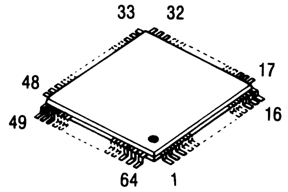
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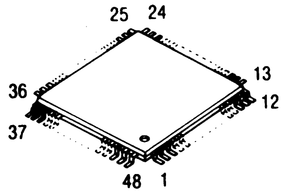
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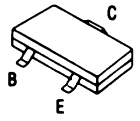

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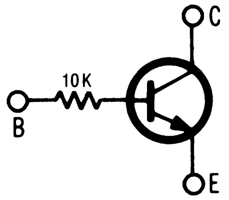

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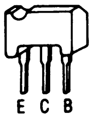

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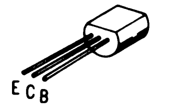

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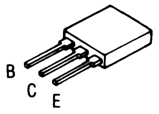

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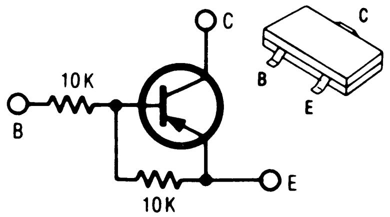
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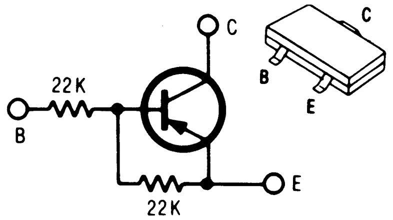
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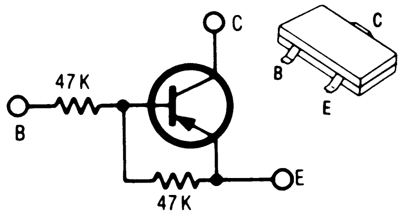
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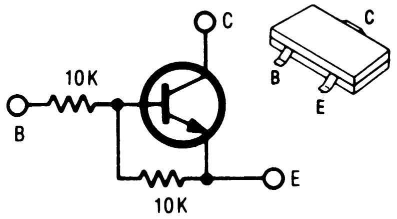
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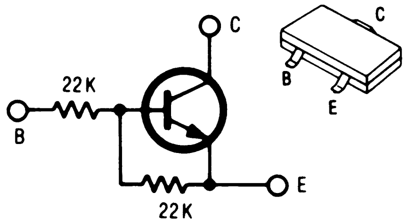
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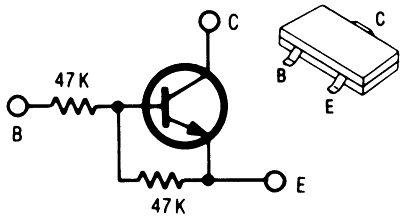
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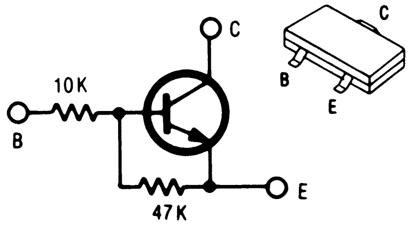
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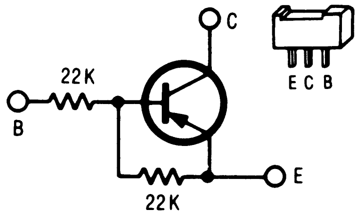
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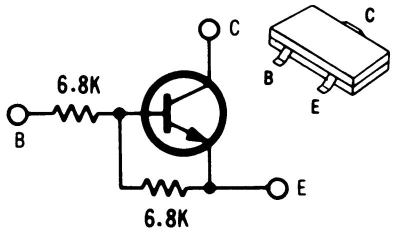
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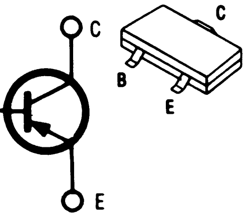

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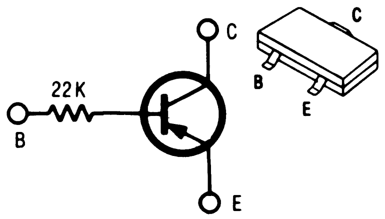

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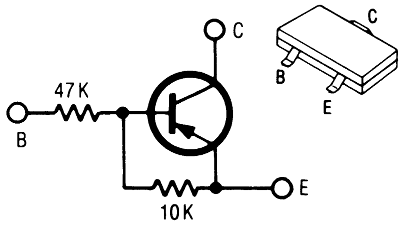
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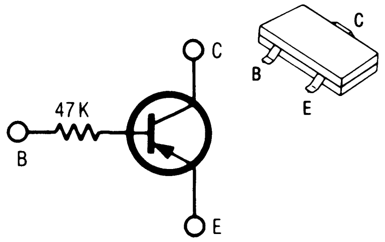
UN211D



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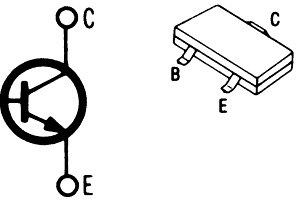

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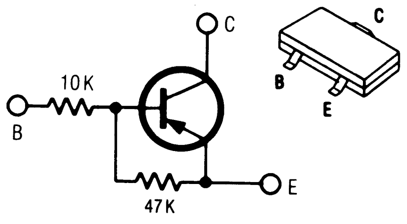
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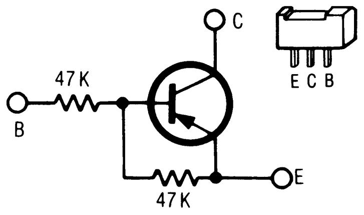
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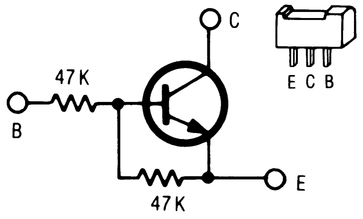
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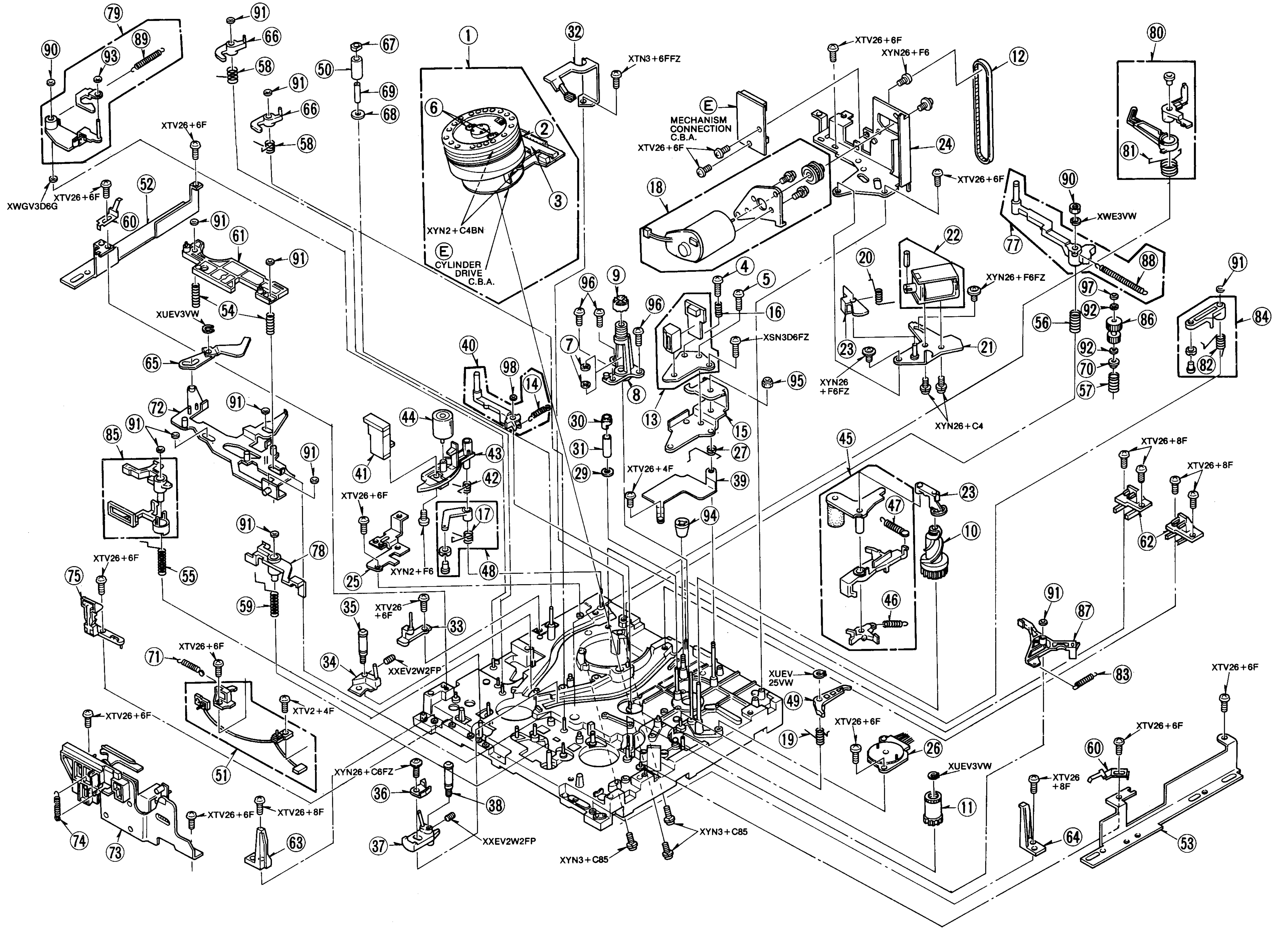
UN1213

SECTION 4
EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW ❶ CHASSIS PARTS SECTION (1)



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(93)
(89)
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(52)
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(91)
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(91)
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XTV26+8F
(63)
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⑥
②
③
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E
CYLINDER
DRIVE
C.B.A.
㉜
XTN3+6FFZ
㊵
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⑮
(95)
㉚
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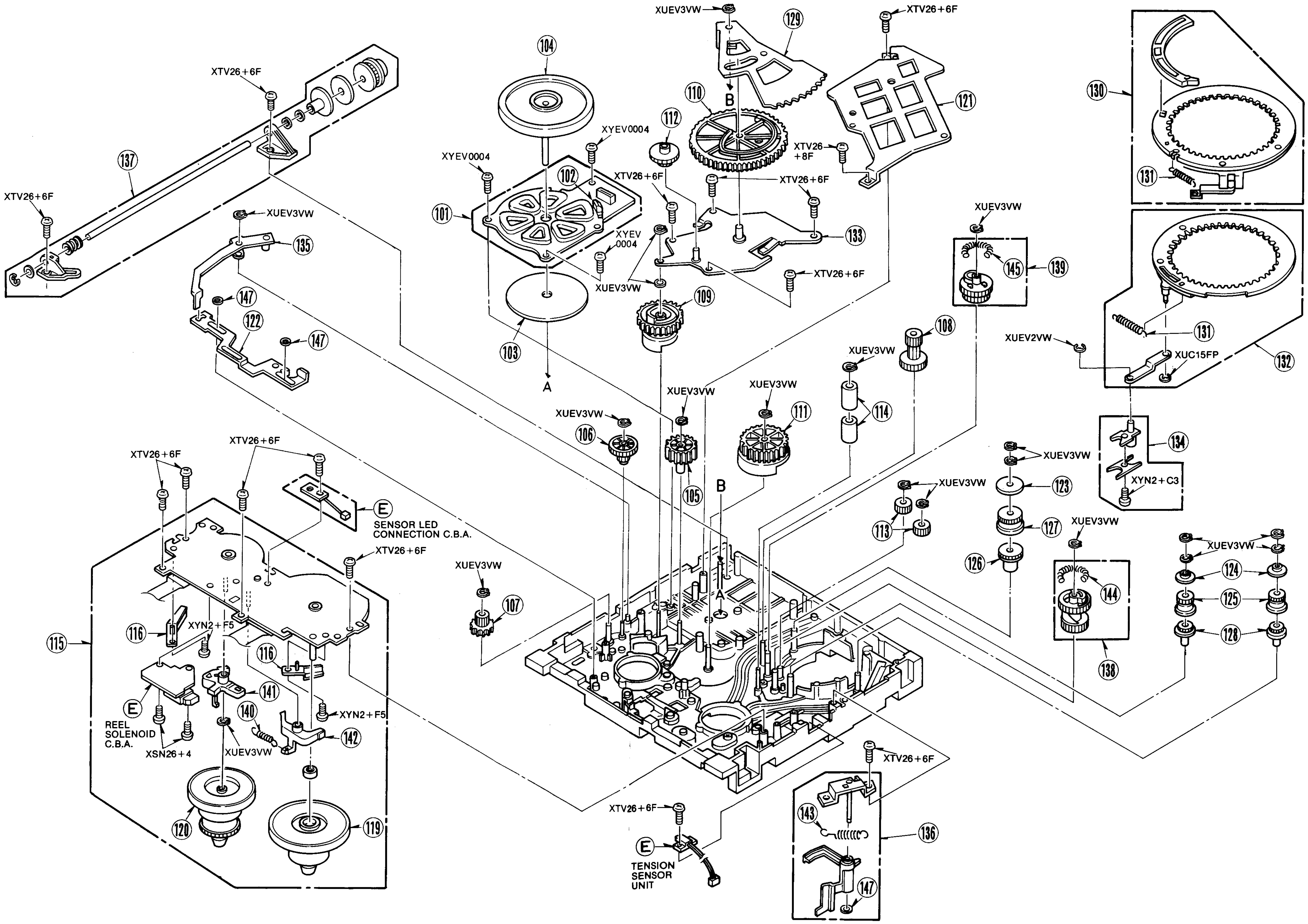
XTV26+4F
㊴
(94)
E
MECHANISM
CONNECTION
C.B.A.
XTV26+6F
⑱
XTV26+6F
XYN26+F6
⑫
㉔
XTV26+6F
⑳
㉒
XYN26+F6FZ
㉓
XYN26
+F6FZ
㉑
XYN26+C4
㊺
㉓
㊼
⑩
㊻
XUEV-
25VW
㊾
XTV26+6F
⑲
㉖
XUEV3VW
⑪
(80)
(81)
(90)
XWE3VW
(77)
(88)
(91)
(97)
(92)
(86)
(56)
(92)
(70)
(57)
(84)
(82)
XTV26+8F
XTV26+8F
(62)
(91)
(87)
(83)
XTV26+6F
XTV26+6F
(60)
XTV26
+8F
(64)
(53)

❷ CHASSIS PARTS SECTION (2)


XTV26+6F
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XTV26+6F
XUEV3VW
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147
122
147
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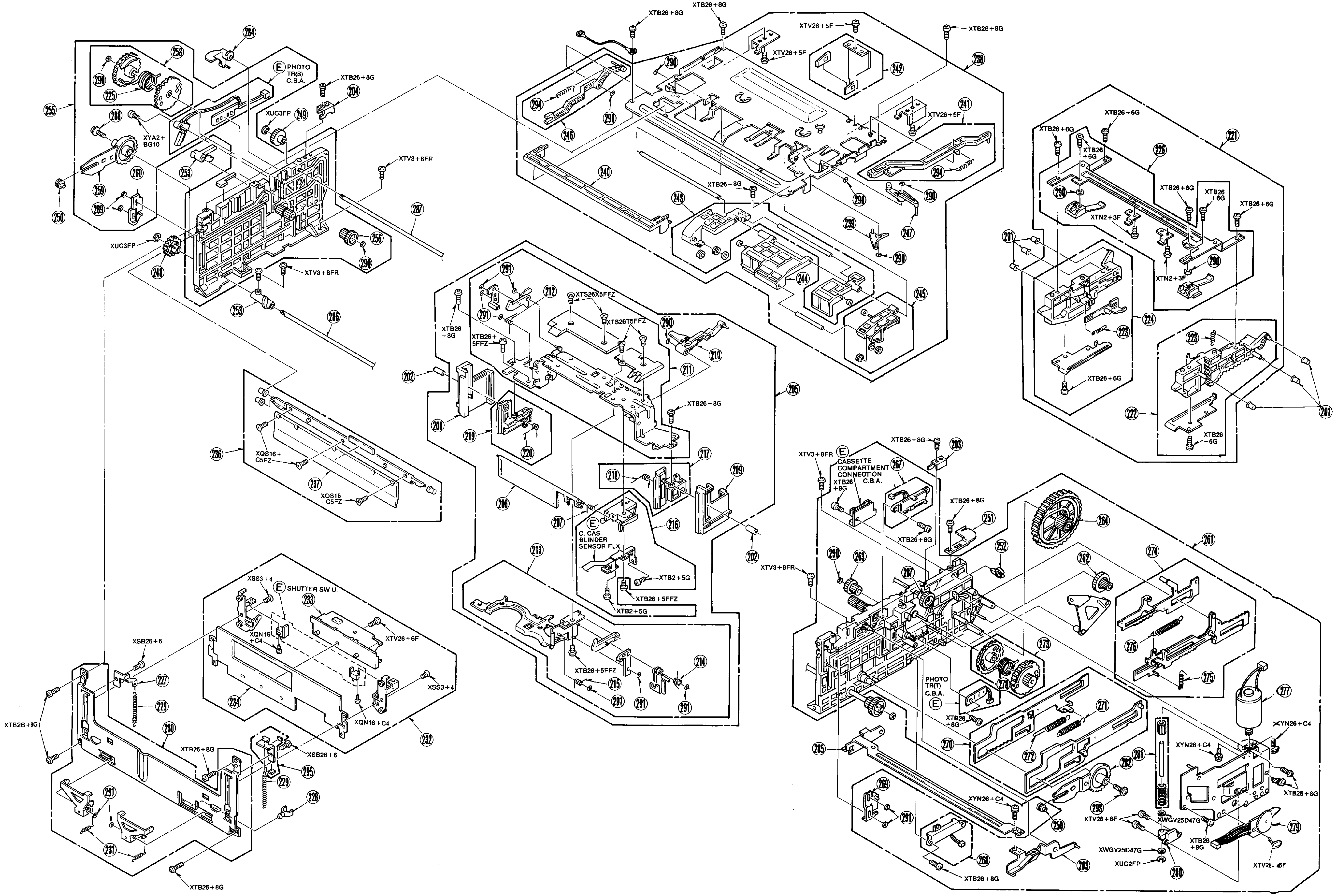
XYEV0004
XYEV0004
102
101
XYEV 0004
103
A
XUEV3VW
129
B
110
112
XTV26+6F
XTV26+6F
XTV26+6F
121
XTV26 +8F
133
XUEV3VW
109
XTV26+6F
130
131
XUEV3VW
145
139
131
XUEV2VW
XUC15FP
132
108
XUEV3VW
114
XUEV3VW
111
XUEV3VW
XUEV3VW
106
105
B
A
134
XYN2+C3
XUEV3VW
123
XUEV3VW
113
127
126
XUEV3VW
144
138
XUEV3VW
124
125
128
XTV26+6F
XTV26+6F
XTV26+6F
E
SENSOR LED CONNECTION C.B.A.
XTV26+6F
115
116
XYN2+F5
116
XUEV3VW
107
141
XYN2+F5
E
REEL SOLENOID C.B.A.
XSN26+4
140
XUEV3VW
142
120
119
XTV26+6F
XTV26+6F
E
TENSION SENSOR UNIT
143
136
147

❸ CASSETTE COMPARTMENT SECTION



284
E PHOTO TR(S) C.B.A.
XTB26+8G
204
258
290
225
255
288
XYA2+BG10
XUC3FP
249
253
259
260
289
250
XTV3+8FR
287
256
290
XUC3FP
248
XTV3+8FR
253
286
XTB26+8G
XTV26+5F
XTV26+5F
242
238
241
XTV26+5F
234
290
246
240
XTB26+8G
243
239
290
247
290
294
244
245
XTB26+6G
XTB26+6G
XTB26+6G
221
226
XTB26+6G
XTB26+6G
290
XTN2+3F
XTN2+3F
201
224
223
223
XTB26+6G
222
XTB26+6G
201
291
212
XTS26X5FFZ
XTS26T5FFZ
XTB26+8G
XTB26+5FFZ
290
210
211
205
202
208
219
220
XTB26+8G
217
218
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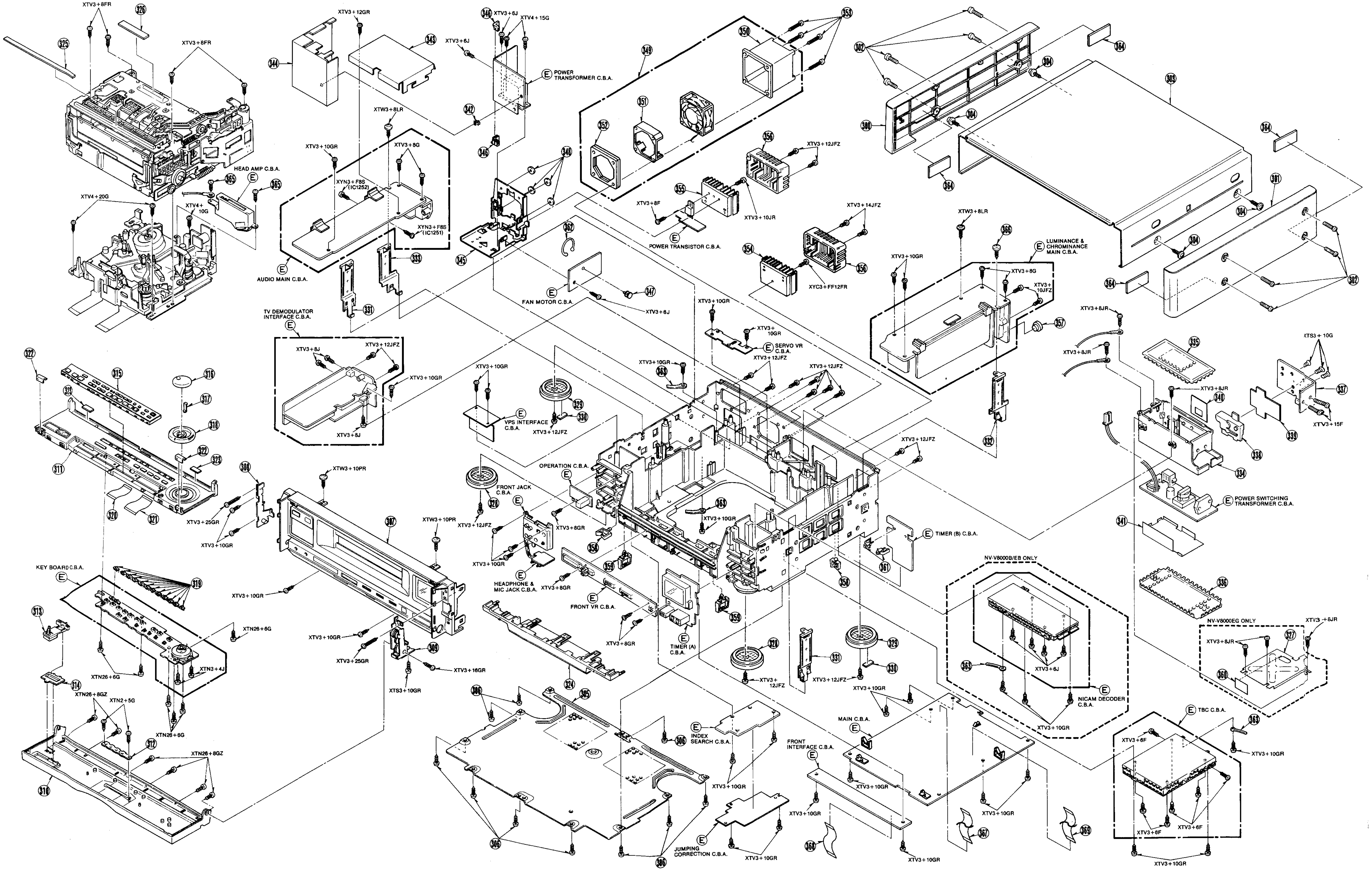
206
207
216
E C. CAS. BLINDER SENSOR FLX.
XTB2+5G
XTB26+5FFZ
XTB2+5G
202
213
XTB26+5FFZ
215
214
291
291
291
236
XQS16+C5FZ
237
XQS16+C5FZ
XSS3+4
E SHUTTER SW U.
233
XQN16+C4
XTV26+6F
234
XSS3+4
XQN16+C4
232
XSB26+6
227
229
XTB26+8G
230
XTB26+8G
XSB26+6
295
229
228
291
231
XTB26+8G
XTB26+8G
203
XTV3+8FR
E CASSETTE COMPARTMENT CONNECTION C.B.A.
267
XTB26+8G
XTB26+8G
251
XTB26+8G
264
261
XTV3+8FR
290
263
252
262
274
266
273
276
275
277
PHOTO TR(T) C.B.A.
E
XTB26+8G
278
270
271
272
285
281
XYN26+C4
XYN26+C4
282
XTB26+8G
269
291
XYN26+C4
250
293
XTV26+6F
XWGV25D47G
XWGV25D47G
XTB26+8G
279
268
XUC2FP
280
XTB26+8G
283
XTV26+6F

❹ CASING PARTS SECTION



XTV3+8FR
326
325
XTV3+8FR
HEAD AMP C.B.A.
365
365
XTV4+20G
XTV4+10G
XTV3+12GR
343
344
XTW3+8LR
342
XTV3+10GR
XTV3+8G
XYN3+F8S (IC1252)
XYN3+F8S (IC1251)
333
AUDIO MAIN C.B.A.
331
TV DEMODULATOR INTERFACE C.B.A.
XTV3+8J
XTV3+12JFZ
XTV3+10GR
XTV3+8J
346
XTV3+6J
XTV4+15G
XTV3+6J
POWER TRANSFORMER C.B.A.
346
348
345
349
353
350
351
352
356
XTV3+12JFZ
355
XTV3+8F
XTV3+10JR
POWER TRANSISTOR C.B.A.
XTV3+14JFZ
354
356
XYC3+FF12FR
362
FAN MOTOR C.B.A.
347
XTV3+6J
302
364
304
303
300
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364
364
301
304
304
302
364
XTW3+8LR
366
LUMINANCE & CHROMINANCE MAIN C.B.A.
XTV3+10GR
XTV3+8G
XTV3+10JFZ
357
332
XTV3+8JR
XTV3+8JR
335
XTS3+10G
XTV3+8JR
340
337
XTV3+15F
339
338
334
POWER SWITCHING TRANSFORMER C.B.A.
341
336
XTV3+10GR
XTV3+10GR
SERVO VR C.B.A.
XTV3+12JFZ
XTV3+10GR
368
XTV3+12JFZ
XTV3+12JFZ
XTV3+10GR
VPS INTERFACE C.B.A.
XTV3+12JFZ
329
330
OPERATION C.B.A.
FRONT JACK C.B.A.
328
XTV3+12JFZ
XTV3+8GR
XTV3+10GR
HEADPHONE & MIC JACK C.B.A.
XTV3+8GR
FRONT VR C.B.A.
XTV3+8GR
TIMER (A) C.B.A.
363
XTV3+10GR
358
359
358
359
TIMER (B) C.B.A.
361
328
331
XTV3+12JFZ
329
330
XTV3+12JFZ
322
315
316
317
312
318
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323
311
320
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308
XTV3+25GR
XTV3+10GR
XTW3+10PR
307
XTW3+10PR
XTV3+10GR
XTV3+10GR
XTV3+25GR
309
XTV3+16GR
XTS3+10GR
KEY BOARD C.B.A.
319
313
XTN26+6G
XTN3+4J
XTN26+6G
314
XTN26+8GZ
XTN2+5G
XTN26+6G
312
XTN26+8GZ
310
324
306
305
306
306
306
INDEX SEARCH C.B.A.
XTV3+10GR
JUMPING CORRECTION C.B.A.
XTV3+10GR
FRONT INTERFACE C.B.A.
XTV3+10GR
368
MAIN C.B.A.
XTV3+10GR
XTV3+10GR
XTV3+10GR
367
369
XTV3+10GR
NV-V8000B/EB ONLY
363
XTV3+6J
NICAM DECODER C.B.A.
XTV3+10GR
NV-V8000EG ONLY
XTV3+8JR
XTV3+8JR
327
360
TBC C.B.A.
363
XTV3+6F
XTV3+10GR
XTV3+6F
XTV3+6F
XTV3+10GR
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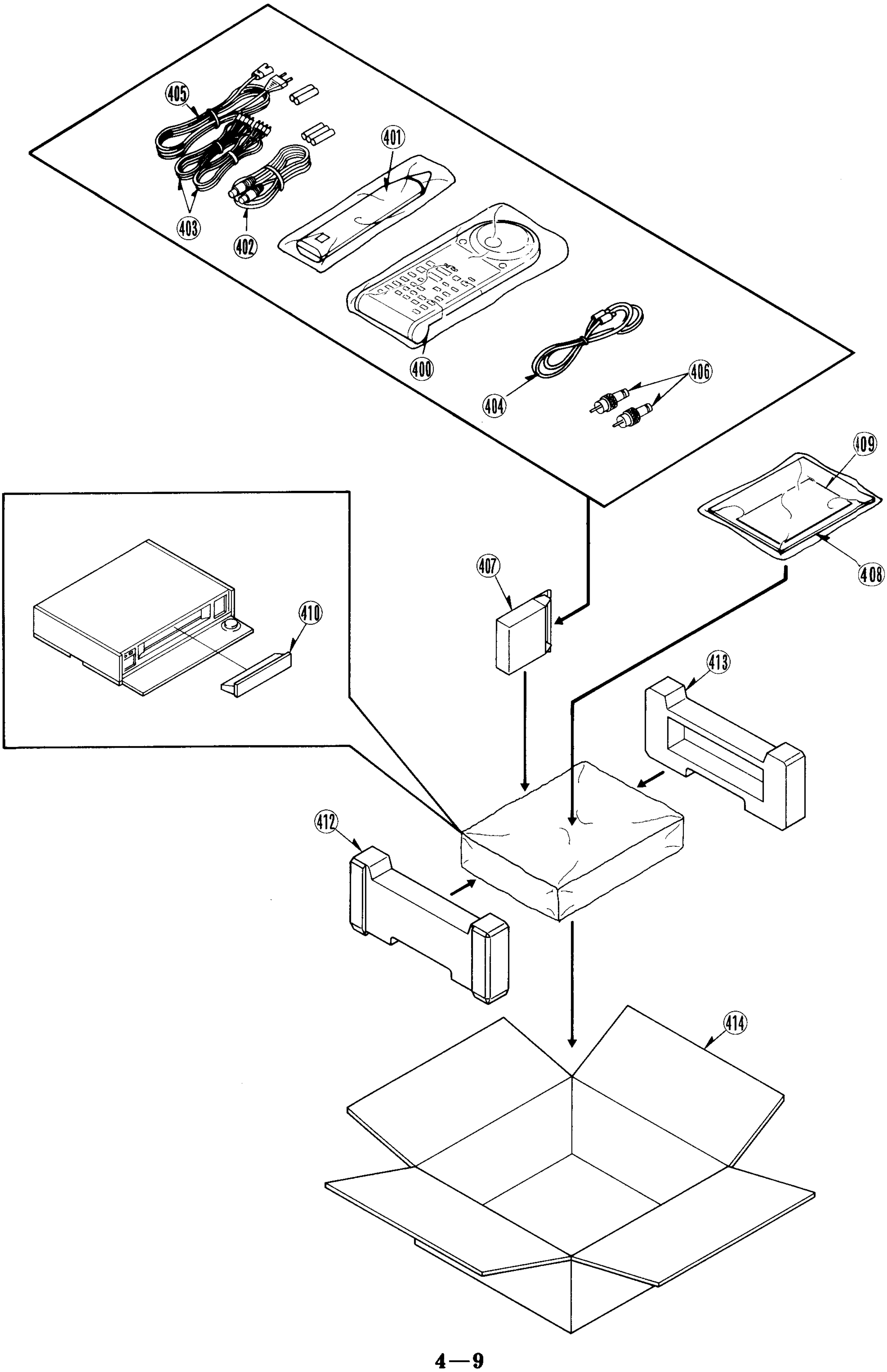
❺ PACKING PARTS SECTION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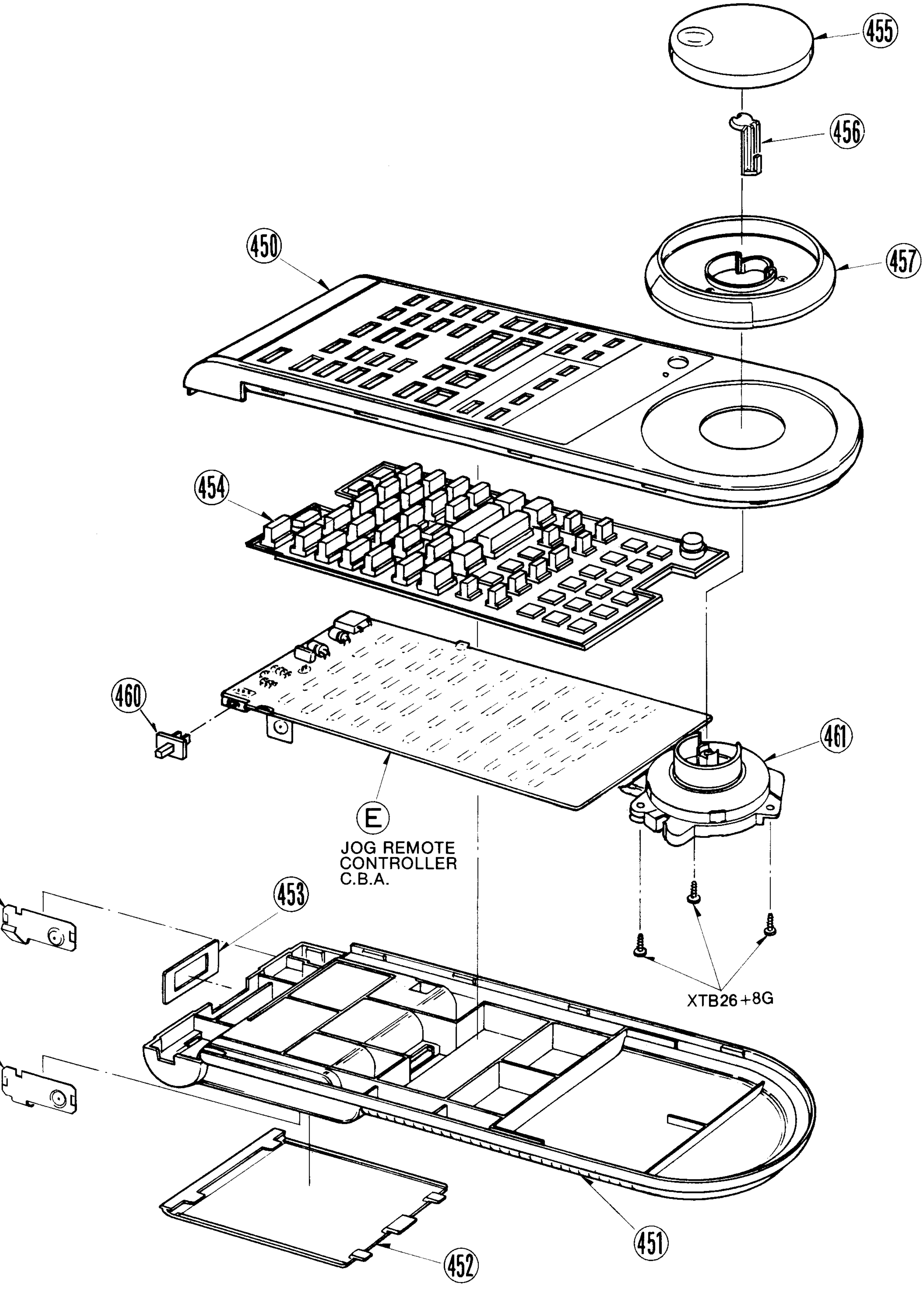
❻ JOG REMOTE CONTROLLER UNIT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JOG REMOTE CONTROLLER C.B.A.
458
453
XTB26+8G
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451
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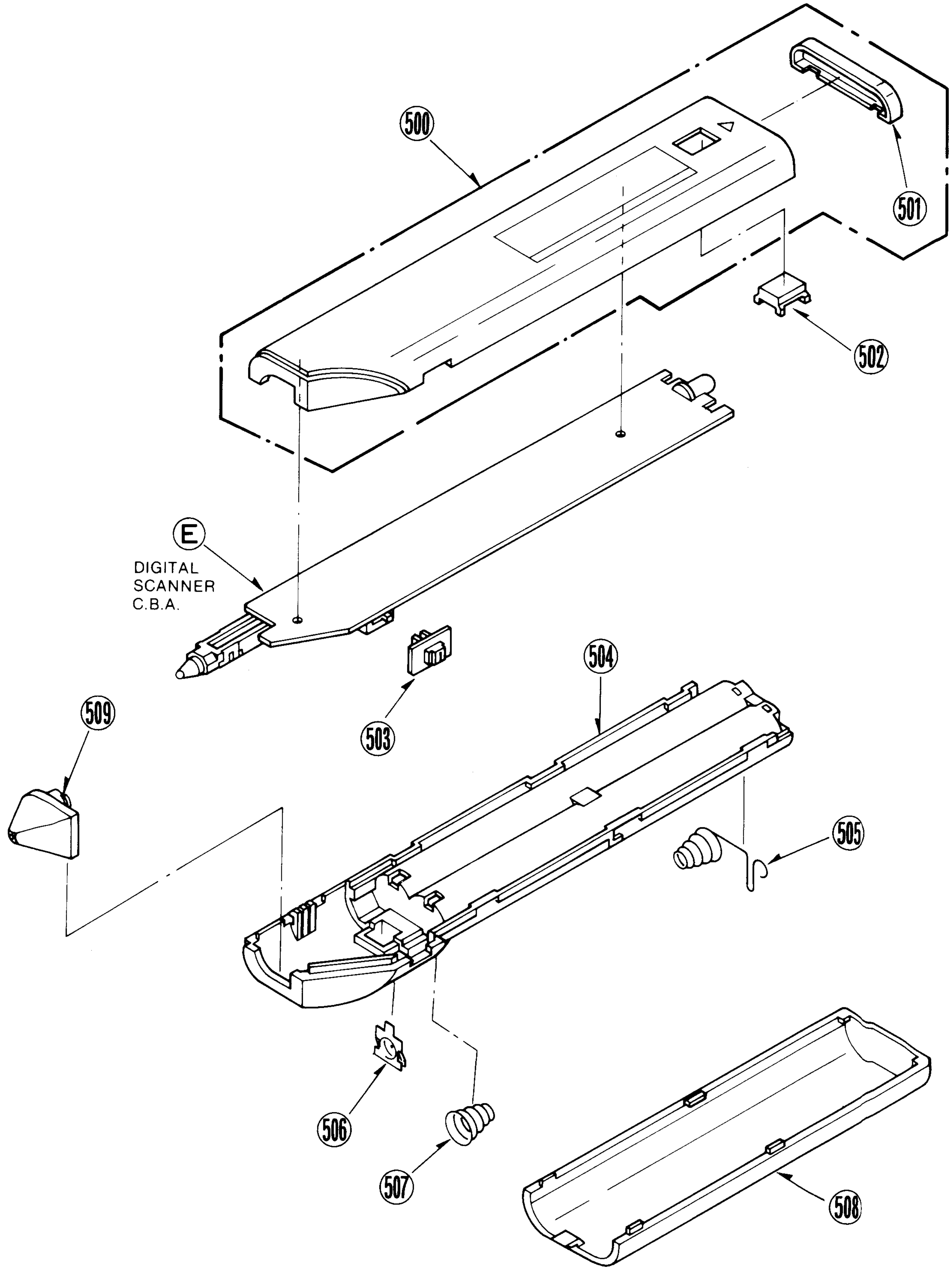
❼ DIGITAL SCANNER UNIT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E
DIGITAL SCANNER C.B.A.
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4-2. MECHANICAL REPLACEMENT PARTS LIST

Note: 1. * Be sure to make your orders of replacement parts according to this list.

2. IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1(1)		VEG0922	CYLINDER U.	1	<!>
2(1)		VEH0467	UPPER CYLINDER U.	1	
3(1)		VMA8089	MAIN HOLDER	1	
4(1)		VHD0322	A/C ADJUSTMENT SCREW	1	
5(1)		VHD0089B	A/C ADJUSTMENT SCREW	1	
6(1)		VHD0553	UPPER CYLINDER SCREW	1	
7(1)		VMX1033	OIL SEAL	2	
8(1)		VXD0127	HOUSING U.	1	
9(1)		VXQ0006	THRUST SCREW	1	
10(1)		VDG0687	PINCH CAM GEAR	1	
11(1)		VDG0694	PINCH DECELERATION GEAR	1	
12(1)		VDV0223	TIMING BELT	1	
13(1)		VED0161	AC HEAD (1) U.	1	
14(1)		VMB1566	SUB POST SPRING	1	
15(1)		VMA7831	A/C HEAD BASE	1	
16(1)		VMB1251	A/C ADJUSTMENT SPRING	1	
17(1)		VMB2155	(S) INCLINED SPRING	1	
18(1)		VXA4107	SUB MOTOR BASE U.	1	<!>
19(1)		VMB2169	STOPPER ARM SPRING	1	
20(1)		VMB1979	CAM LEVER SPRING	1	
21(1)		VXA4189	SOLENOID BASE (1) U.	1	
22(1)		VSJ0092	PINCH SOLENOID	1	
23(1)		VML2444	CAM LEVER	1	
24(1)		VMA8233	MOTOR BASE	1	
25(1)		VMA8229	H. AMP ANGLE	1	
26(1)		VES0573	MODE SW U.	1	
27(1)		VMB2173	A/C HEIGHT SPRING	1	
28(1)		VMX1353	PINCH CAM CAP	1	
29(1)		VMX1534	P4 LOWER LIMITER	1	
30(1)		VMX1544	P4 UPPER LIMITER	1	
31(1)		VMX1568	P4 SLEEVE	1	
32(1)		VXA2702	EARTH PLATE U.	1	
33(1)		VXA4098	SUB TENSION BASE U.	1	
34(1)		VXA4180	INCLINED BASE (S)	1	
35(1)		VXP1222	ROLLER POST (S) U.	1	
36(1)		VMA8259	POSITIONNING PLATE	1	
37(1)		VXA4183	INCLINED BASE (T)	1	
38(1)		VXP1223	ROLLER POST (1) U.	1	
39(1)		VXA4192	SHIELD PLATE U.	1	
40(1)		VXL2014	PULL OUT POST U.	1	
41(1)		VED0153	FE HEAD U.	1	
42(1)		VMB2157	IMPEDANCE SPRING	1	
43(1)		VML2446	IMPEDANCE ROLLER ARM	1	
44(1)		VXP1092	IMPEDANCE ROLLER U.	1	
45(1)		VXL2020	PINCH ROLLER ARM U.	1	
46(1)		VMB1569	PINCH ARM SPRING	1	
47(1)		VMB2208	PINCH PRESSURE SPRING	1	
48(1)		VXL2029	IMPEDANCE ARM (S) U.	1	
49(1)		VML2432	STOPPER ARM	1	
50(1)		VDP1304	SUPPLY ROLLER	1	
51(1)		VES0572	S DETECT SW U.	1	
52(1)		VMA8279	MOUNT ANGLE (L)	1	
53(1)		VMA8280	MOUNT ANGLE (R)	1	
54(1)		VMB2162	C-CASS. POS. SPRING	2	
55(1)		VMB2163	SAFETY SPRING	1	
56(1)		VMB2168	P5 ADJ. SPRING	1	
57(1)		VMB2170	C. DRIVE GEAR SPRING	1	
58(1)		VMB2179	C. CASS. HEIGHT SPRING	2	
59(1)		VMB2164	S DETECT SPRING	1	
60(1)		VMC0520	EARTH SPRING	2	
61(1)		VMD1600	C. CASS. POS. PIECE	1	
62(1)		VMD1605	POST STOPPER	2	
63(1)		VMD1641	F-CASS. DOWN SUPPORT (L)	1	
64(1)		VMD1642	F-CASS. DOWN SUPPORT (R)	1	
65(1)		VML2440	SELECT LEVER	1	
66(1)		VML2441	C. CASS. HEIGHT LEVER	2	
67(1)		VMX1088	SUPPLY UPPER LIMITER	1	
68(1)		VMX1533	SUPPLY LOWER LIMITER	1	
69(1)		VMX1581	P1 COLLAR	1	
70(1)		VMX1831	C. THRUST BOTH	1	
71(1)		VMB2161	MAIN ROD SPRING	1	
72(1)		VXA4186	MAIN ROD (1) U.	1	
73(1)		VXA4096	SLIDE BASE U.	1	
74(1)		VMB2165	SLIDER SPRING	1	
75(1)		VXA4191	REC SAFETY SW	1	
77(1)		VXL2015	P5 ARM U.	1	
78(1)		VXL2017	S-DETECT LEVER U.	1	
79(1)		VXL2022	TENSION ARM U.	1	
80(1)		VXL2025	LED U.	1	
81(1)		VMB2159	LED LEVER SPRING	1	
82(1)		VMB2156	T GUIDE LEVER SPRING	1	
83(1)		VMB2209	T SOFT BRAKE SPRING	1	
84(1)		VXL2030	T GUIDE LEVER U.	1	
85(1)		VXL2047	REC SAFETY LEVER U.	1	
86(1)		VXP1240	C. DRIVE GEAR U.	1	
87(1)		VXL2055	T SOFT BRAKE ARM U.	1	
88(1)		VMB2167	P5 ARM SPRING	1	
89(1)		VMB2172	TENSION SPRING	1	
90(1)		VMX0653	WASHER	2	
91(1)		VMX1079	WASHER	11	
92(1)		VMX1881	WASHER	2	
93(1)		VMX1919	TAPE GUIDE CAP	1	
94(1)		VHN0110	NUT	1	
95(1)		VHN0063	NUT	1	
96(1)		VHD0317	SCREW	3	
97(1)		VMX1880	WASHER	1	
98(1)		VHN0023	NUT	1	
101(2)		VEK4908	STATOR U.	1	<!>
102(2)		VBK0048	FG HEAD	1	
103(2)		VMA6847	SUB PLATE	1	
104(2)		VXP1189	CAPSTAN ROTOR U.	1	
105(2)		VDG0683	INTERMEDIATE GEAR	1	
106(2)		VDG0685	WARM GEAR (A)	1	
107(2)		VDG0686	WARM GEAR (B)	1	
108(2)		VDG0695	SECTOR INTERMEDIATE GEAR	1	
109(2)		VDG0700	MAIN CAM GEAR	1	
110(2)		VDG0702	LOADING CAM GEAR	1	
111(2)		VDG0710	PULL OUT CAM GEAR	1	
112(2)		VDG0711	GAM JOINT GEAR	1	
113(2)		VDG0713	RING DRIVE GEAR	2	
114(2)		VDP1363	RING DRIVE GUIDE	2	
115(2)		VEM0379	REEL MOTOR U.	1	<!>
117(2)		VXA2046	FG SUPPORT U.	1	
119(2)		VXR0198	S REEL TABLE U.	1	
120(2)		VXR0199	T REEL TABLE U.	1	
121(2)		VMA8239	GEAR SUPPORT PLATE	1	
122(2)		VMM0244	SUB MAIN ROD	1	
123(2)		VMX1821	RING GUIDE (L)	1	
124(2)		VMX1822	RING GUIDE S (C)	2	
125(2)		VMX1826	RING GUIDE S (B)	2	
126(2)		VMX1827	RING GUIDE L (A)	1	
127(2)		VMX1828	RING GUIDE L (B)	1	
128(2)		VMX1829	RING GUIDE S (A)	2	
129(2)		VXA4092	SECTOR GEAR U.	1	
130(2)		VXA4093	LOADING RING (S) U.	1	
131(2)		VMB2153	UNLOAD SPRING	2	
132(2)		VXA4094	LOADING RING (T) U.	1	
133(2)		VXA4108	LOADING CAM BASE U.	1	
134(2)		VXA4184	INCLINED ADJ. PLATE U.	1	
135(2)		VXL2019	CAM FOLLOWER ARM U.	1	
136(2)		VXL2021	TENSION LEVER LOCK U.	1	
137(2)		VXP1204	WARM U.	1	
138(2)		VXP1209	RING DRIVE GEAR U.	1	
139(2)		VXP1210	RING DRIVE GEAR (T)	1	
140(2)		VMB1978	M-BRAKE SPRING	1	
141(2)		VXZ0271	M-BRAKE (T) U.	1	
142(2)		VXZ0286	M-BRAKE (S) U.	1	
143(2)		VMB2171	LOCK SPRING	1	
144(2)		VMB2272	LOADING SPRING (S)	1	
145(2)		VMB2154	LOADING SPRING	1	
147(2)		VMX1079	WASHER	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
201(3)		VDP1345	HOLDER ROLLER	6	
202(3)		VDP1351	C. SLIDE ROLLER	2	
203(3)		VMA8351	F. CASS. GUIDE (R)	1	
204(3)		VMA8352	F. CASS. GUIDE (L)	1	
205(3)		VXA4118	C. CASS. HOLDER U.	1	
206(3)		VKF1523	C. CASS. DOOR U.	1	
207(3)		VMB2188	C. BLINDER SPRING	1	
208(3)		VMD1602	C. SIDE SLIDER (L)	1	
209(3)		VMD1603	C. SIDE SLIDER (R)	1	
210(3)		VML2459	C. OPENER SUB ARM	1	
211(3)		VXA4119	C. HOLDER U.	1	
212(3)		VMB2183	C. INSTALLATION LEVER (L)	1	
213(3)		VXA4122	C. HOLDER PLATE U.	1	
214(3)		VMB2184	C. OPENER RETURN SPRING	1	
215(3)		VMB2185	C. INSTAL LEVER (R) SPRING	1	
216(3)		VXA4124	C. BLIND SW ANGLE U.	1	
217(3)		VXA4125	C. SIDE BLOCK (R) U.	1	
218(3)		VMB2186	C. SLIDE ROD SPRING	1	
219(3)		VXA4128	C. SIDE BLOCK (L) U.	1	
220(3)		VMB2187	C. SLIDE ROD SPRING (L)	1	
221(3)		VXA4144	F. CASS HOLDER U.	1	
222(3)		VXA4145	HOLDER GUIDE (R) U.	1	
223(3)		VMB1582	TENSION RELEASE SPRING	2	
224(3)		VXA4147	HOLDER GUIDE (L) U.	1	
225(3)		VMB2189	F. PRESSURE SPRING (L)	1	
226(3)		VXA4150	HOLDER ANGLE U.	1	
227(3)		VMA8294	SHUTTER STOPPER (L)	1	
228(3)		VJF0909	CLAMPER	1	
229(3)		VMB2194	SHUTTER SPRING	2	
230(3)		VXA4154	SHUTTER STAY U.	1	
231(3)		VMB1455	T SOFT BRAKE SPRING	1	
232(3)		VXA4385	SHUTTER PANEL U.	1	
233(3)		VMD1640	BALCONY PLATE	1	
234(3)		VMP3097	SHUTTER PANEL	1	
236(3)		VXA4386	BLINDER PANEL U.	1	
237(3)		VKF1676	BLINDER PANEL	1	
238(3)		VXA4164	TOP PLATE	1	
239(3)		VML2469	FC LOCK ARM (A)	1	
240(3)		VMM0256	FC LOCK ROD (B)	1	
241(3)		VXA4166	FC LOCK ROD (A) U.	1	
242(3)		VXA4167	CASS. SUPPORT ANGLE U.	1	
243(3)		VXA4168	C. STOPPER (A) U.	1	
244(3)		VXA4169	C. STOPPER (B) U.	1	
245(3)		VXA4231	C. STOPPER (C) U.	1	
246(3)		VXL2041	OPENER LEVER U.	1	
247(3)		VXL2043	FC LOCK ARM (B) U.	1	
248(3)		VDG0691	C. SYNCHRO. GEAR (L)	1	
249(3)		VDG0738	F. SYNCHRO. GEAR (L)	1	
250(3)		VDP1352	WIPER ROLLER	2	
251(3)		VMA8269	SIDE SUPPORT ANGLE	1	
252(3)		VJF0285	CLAMPER	1	
253(3)		VMD1637	C. SYNCHRO. CAM	1	
254(3)		VML2464	F. BLINDER SW LEVER	1	
255(3)		VXA4131	SIDE PLATE (L) U.	1	
256(3)		VDG0693	F. INTERMEDIATE GEAR	1	
258(3)		VXA4133	F. OUTLET GEAR (L) U.	1	
259(3)		VXL2012	WIPER ARM (L) U.	1	
260(3)		VMM0250	C. SHUTTER ROD (L)	1	
261(3)		VXA4134	SIDE PLATE (R) U.	1	
262(3)		VDG0682	WARM WHEEL	1	
263(3)		VDG0693	F. INTERMEDIATE GEAR	1	
264(3)		VDG0720	MAIN CAM GEAR	1	
267(3)		VES0575	F. CASS. DETECT SW	1	
268(3)		VES0576	C. CASS. DETECT SW	1	
269(3)		VMM0255	SHUTTER ROD (R)	1	
270(3)		VXA4136	C. RACK U.	1	
271(3)		VMB2190	C. INSERT SPRING (A)	1	
272(3)		VMB2191	C. INSERT SPRING (B)	1	
273(3)		VXA4138	F. INLET GEAR U.	1	
274(3)		VXA4139	F. RACK U.	1	
275(3)		VMB1583	T SOFT BRAKE SPRING	1	
276(3)		VMB2193	F. INSERT SPRING	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
277(3)		VEM0388	MOTOR U.	1	<!>
278(3)		VMB2192	F. PRESSURE SPRING	1	
279(3)		VES0577	SLOT IN MODE SW U.	1	
280(3)		VMD1609	WARM SHAFT BEARING	1	
281(3)		VXP1229	WARM U.	1	
282(3)		VXL2013	WIPER ARM (R) U.	1	
283(3)		VXL2035	C. SHUTTER ARM (R) U.	1	
284(3)		VXL2039	SUB OPENER LEVER U.	1	
285(3)		VXL2040	C. SHUTTER ARM (L) U.	1	
286(3)		VXP1217	C. SYNCHRO. SHAFT U.	1	
287(3)		VXP1231	F. SYNCHRO. SHAFT U.	1	
288(3)		VHD0296	SCREW	1	
289(3)		VMX1079	WASHER	2	
290(3)		VMX0653	WASHER	10	
291(3)		VMX1079	WASHER	10	
292(3)		VMX1071	WASHER	1	
293(3)		VHD0296	SCREW	1	
294(3)		VMB1583	T BRAKE SPRING	2	
295(3)		VMA4270	SHUTTER STOPPER (R) U.	1	
300(4)		VGK1923	SIDE PANEL (L)	1	
301(4)		VGK1924	SIDE PANEL (R)	1	
302(4)		VHD0607	SIDE PANEL SCREW	8	
303(4)		VGM0686	TOP PANEL	1	
304(4)		VHD0165	TOP PANEL SCREW	4	
305(4)		VKU0345	BOTTOM PLATE	1	
306(4)		VHD0059	BOTTOM PLATE SCREW	10	
307(4)		VYP3543	FRONT PANEL UNIT	1	NV-V8000EG
307(4)		VYP3599	FRONT PANEL UNIT	1	NV-V8000B/EB
308(4)		VXA4234	DOOR ANGLE (L) UNIT	1	
309(4)		VXA4235	DOOR ANGLE (R) UNIT	1	
310(4)		VYF1692	DOOR PANEL UNIT	1	
311(4)		VYF1694	DOOR BACK PANEL UNIT	1	NV-V8000EG
311(4)		VYF1695	DOOR BACK PANEL UNIT	1	NV-V8000B
311(4)		VYF1726	DOOR BACK PANEL UNIT	1	NV-V8000EB
312(4)		VGL0464	DOOR PANEL LIGHT	1	
313(4)		VGU5517	DOOR POWER BUTTON	1	
314(4)		VKW1332	DOOR IR WINDOW	1	
315(4)		VES0598	DOOR PANEL SW	1	NV-V8000EG/EB
315(4)		VES0600	DOOR PANEL SW	1	NV-V8000B
316(4)		VGU4525	JOG KNOB	1	
317(4)		VMC0465	JOG SPRING	1	
318(4)		VGU5243	SHUTTLE KNOB	1	
319(4)		VGU5236	SELECT KNOB	12	
320(4)		VWJ0460	FLEXIBLE CARD (18P)	1	
321(4)		VWJ0461	FLEXIBLE CARD (26P)	1	
322(4)		VMP2705	MAGNET ANGLE	2	
323(4)		VMT0351	DOOR CUSHION	2	
324(4)		VYP3272	SUPPORT PANEL UNIT	1	
325(4)		VMT0357	SPACER (A)	1	
326(4)		VMT0358	SPACER (B)	1	
327(4)		VSC3314	BCI SHIELD PLATE	1	NV-V8000EG
328(4)		VYQ0486	LEG UNIT (FRONT)	2	
329(4)		VYQ0487	LEG UNIT (REAR)	2	
330(4)		VKA0122	FOOT	2	
331(4)		VMP2778	TOP HOLDER ANGLE (FRONT)	2	
332(4)		VMP2779	TOP HOLDER ANGLE (REAR-R)	1	
333(4)		VMP2780	TOP HOLDER ANGLE (REAR-L)	1	
334(4)		VXA4382	POWER SHIELD PLATE (MAIN)	1	
335(4)		VSC3017	POWER SHIELD PLATE (TOP)	1	
336(4)		VSC3019	POWER SHIELD PLATE (BOTTOM)	1	
337(4)		VSC3020	POWER HEAT SINK	1	
338(4)		VGQ1983	IC HOLDER	1	
339(4)		VMZ1653	INSULATION SHEET	1	<!>
340(4)		VGH2699	POWER NAME PLATE	1	
341(4)		VMZ1654	POWER BARRIER	1	<!>
342(4)		VMX1021	BARRIER SPACER	1	
343(4)		VMZ1677	TRANSFORMER BARRIER (TOP)	1	<!>
344(4)		VMZ1636	TRANSFORMER BARRIER (MAIN)	1	<!>
345(4)		VMP2781	TRANSFORMER ANGLE	1	
346(4)		VJF0374	C.B.A. HOLDER	2	
347(4)		VKC0295	C.B.A. SPACER	1	
348(4)		VMX1937	ANGLE SPACER	4	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
349(4)		VEK5187	FAN MOTOR U.	1	<!>
350(4)		VKF1577	FAN COVER	1	
351(4)		VMX1655	FAN SPACER	1	
352(4)		VMX1893	RUBBER SPACER	1	
353(4)		VHD0514	FAN SCREW	4	
354(4)		VSC2623	HEAT SINK (POWER)	1	
355(4)		VSC3240	HEAT SINK (TR.)	1	
356(4)		VKF1150	HEAT SINK COVER	2	
357(4)		VGQ1421	SOCKET CAP	1	
358(4)		VJF0004	WIRE SADDLE (A)	2	
359(4)		VJF0130	WIRE SADDLE (B)	2	
360(4)		VMZ0816	BCI INSULATION SHEET	1	NV-V8000EG
361(4)		VJF0236	C.B.A. SUPPORTER	2	
362(4)		VJF0330	WIRE LOCK	1	
363(4)		VJR3	CLAMPER	3	NV-V8000EG
363(4)		VJR3	CLAMPER	4	NV-V8000B/EB
364(4)		VMT0352	SIDE PANEL CUSHION	4	
365(4)		VHD0418	HEAD AMP SCREW	2	
366(4)		VHD0141	C.B.A. SCREW	1	
367(4)		VWJ0462	FLEXIBLE CARD	1	MAIN C.B.A. TO
					INDEX SERCH C.B.A.
368(4)		VWJ0465	FLEXIBLE CARD	1	F. VR C.B.A. TO
					F. INTERFACE C.B.A.
369(4)		VWJ15AW340MM	FLEXIBLE CARD	1	MAIN C.B.A. TO
					CAPSTAN STATOR
400(5)		VEQ1215	JOG REMOTE CONTROLLER UNIT	1	
401(5)		VEQ1325	DIGITAL SCANNER UNIT	1	NV-V8000EG/EB
401(5)		VEQ1326	DIGITAL SCANNER UNIT	1	NV-V8000B
402(5)		VJA0376	DIN RF CABLE	1	
403(5)		VJA0231	AUDIO CABLE	2	
404(5)		VJA0453	S-VIDEO 4P CABLE	1	
405(5)		VJA0443	AC CORD	1	<!>NV-V8000EG
405(5)		VJA0568	AC CORD	1	<!>NV-V8000B
405(5)		VJA0449	AC CORD	1	<!>NV-V8000EB
406(5)		VUP5095	PHONO/BNC ADAPTOR PLUG	2	
407(5)		VPK1361	ACCESSORIES PACKING	1	
408(5)		VQT4073	OPERATING INSTRUCTIONS	1	<!>NV-V8000EG
			(FRENCH/SPANISH)		
408(5)		VQT4074	OPERATING INSTRUCTIONS	1	<!>NV-V8000EG
			(ENGLISH/GERMAN)		
408(5)		VQT4167	OPERATING INSTRUCTIONS	1	<!>NV-V8000EG
			(ITALIAN)		
408(5)		VQT4274	OPERATING INSTRUCTIONS	1	<!>NV-V8000EG
			(DATCH)		
408(5)		VQT4077	OPERATING INSTRUCTIONS	1	<!>NV-V8000B
			(FRENCH/SPANISH)		
408(5)		VQT4078	OPERATING INSTRUCTIONS	1	<!>NV-V8000B
			(ENGLISH/GERMAN)		
408(5)		VQT4075	OPERATING INSTRUCTIONS	1	<!>NV-V8000EB
			(FRENCH/SPANISH)		
408(5)		VQT4076	OPERATING INSTRUCTIONS	1	<!>NV-V8000EB
			(ENGLISH/GERMAN)		
408(5)		VQT4275	OPERATING INSTRUCTIONS	1	<!>NV-V8000EB
			(SWEDISH)		
408(5)		VQT4276	OPERATING INSTRUCTIONS	1	<!>NV-V8000EB
			(FINNISH/DANISH)		
409(5)		VQC1752	PROGRAMME SHEET	1	NV-V8000EG/EB
409(5)		VQC1770	PROGRAMME SHEET	1	NV-V8000B
410(5)		VPN2930	CASSETTE IN PAD	1	
412(5)		VPN2865	CUSHION (L)	1	
413(5)		VPN2866	CUSHION (R)	1	
414(5)		VPG5880	PACKING	1	NV-V8000EG
414(5)		VPG5882	PACKING	1	NV-V8000B
414(5)		VPG5881	PACKING	1	NV-V8000EB
450(6)		VYK3532	TOP COVER UNIT	1	
451(6)		VKM2089	BOTTOM COVER	1	
452(6)		VKF1291	BATTERY COVER	1	
453(6)		VKW0878	IR WINDOW	1	
454(6)		VSP0563	RUBBER CONTACT	1	
455(6)		VGU5025	JOG KNOB	1	
456(6)		VMC0465	JOG SPRING	1	
457(6)		VGU5026	SHUTTLE KNOB	1	
458(6)		VJR0498	ELECTRODE (A)	1	
459(6)		VJR0509	ELECTRODE (B)	1	
460(6)		VGU5027	SELECT KNOB	1	
461(6)		VSQ0712	JOG/SHUTTLE ENCODER UNIT	1	
500(7)		VYK3929	TOP COVER UNIT	1	NV-V8000EG/EB
500(7)		VYK3930	TOP COVER UNIT	1	NV-V8000B
501(7)		VKW0940	IR WINDOW	1	
502(7)		VGU4099	TRANSMISSION BUTTON	1	
503(7)		VGU4100	POWER SW KNOB	1	
504(7)		VKM1331	BOTTOM COVER	1	
505(7)		VJR0272	ELECTRODE (COMMON)	1	
506(7)		VJR0411	ELECTRODE (+)	1	
507(7)		VJR0412	ELECTRODE (-)	1	
508(7)		VKF1024	BATTERY COVER	1	
509(7)		VKM1332	SENSOR CAP	1	
			TOOLS & FIXTURES		
		VFJ8125H3F	PAL VHS ALIGNMENT TAPE	1	
		VFM8180HUPF	PAL VHS-C ALIGNMENT TAPE	1	
		VFK0190	HIGHT GAUGE	1	
		VFK0328	H-POSI.ADJ. SCREW DRIVER	1	
		VFK0329	POST ADJ. SCREW DRIVER	1	
		VFK0335	RETAINING RING REMOVER	1	
		VFK0343	CHECK LIGHT	1	
		VFK66	FAN TYPE TENSION GAUGE	1	
		MOR265	MORLYTONE GREASE	1	
		VFK0680	WHITE GREASE	1	
		VFK0542	GEAR PHASE ALIGNMENT PIN	2	
		VFK0586	15PIN EXTENSION CABLE	1	
		VFK0693	13PIN EXTENSION CABLE	1	
		VFK0694	5PIN EXTENSION CABLE	1	
		VFK0695	4PIN EXTENSION CABLE	1	
		VFK0696	8PIN FLAT CABLE	1	
		VFK0697	8PIN CONNECTOR	1	
		VFK0704	12PIN EXTENSION CABLE	1	

4-3. ELECTRICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS ,K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.
5.Printed circuit board assembly with mark(NLA) is no longer available after discontinuation of the product.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06704B	MAIN C.B.A.	1	<!> (NLA)
					NV-V8000EG/EB
		VEP06704C	MAIN C.B.A.	1	<!> (NLA)
					NV-V8000B
		VEP03777A	LUMINANCE & CHROMINANCE	1	(NLA) NV-V8000EG
			MAIN C.B.A.		INCLUDING THE
					LUMINANCE &
					CHROMINANCE PACK
					C.B.A. (VEP03774A),
					HQ PACK C.B.A.
					(VEP03775A),
					Y/C SEPARATION PACK
					C.B.A. (VEP03776A),
					CCD PACK C.B.A.
					(VEP03691B),
					TBC SYNC NOISE
					REDUCTION PACK C.B.A.
					(VEP03778A),
					INPUT/OUTPUT PACK
					C.B.A. (VEP03780A),
					SUB INPUT/OUTPUT PACK
					C.B.A. (VEP03781A),
					DIGITAL TRACKING
					C.B.A. (VEP02387A)
		VEP03777B	LUMINANCE & CHROMINANCE	1	(NLA) NV-V8000EB
			MAIN C.B.A.		INCLUDING THE
					LUMINANCE &
					CHROMINANCE PACK
					C.B.A.(VEP03774B),
					HQ PACK C.B.A.
					(VEP03775A),
					Y/C SEPARATION PACK
					C.B.A.(VEP03776A),
					CCD PACK C.B.A.
					(VEP03691B),
					TBC SYNC NOISE
					REDUCTION PACK C.B.A.
					(VEP03778A),
					INPUT/OUTPUT PACK
					C.B.A.(VEP03780B),
					SUB INPUT/OUTPUT PACK
					C.B.A.(VEP03781A),
					DIGITAL TRACKING
					C.B.A. (VEP02387A)
		VEP03777C	LUMINANCE & CHROMINANCE	1	(NLA) NV-V8000B
			MAIN C.B.A.		INCLUDING THE
					LUMINANCE &
					CHROMINANCE PACK
					C.B.A.(VEP03774C),
					HQ PACK C.B.A.
					(VEP03775A),
					Y/C SEPARATION PACK
					C.B.A.(VEP03776A),
					CCD PACK C.B.A.
					(VEP03691B),
					TBC SYNC NOISE
					REDUCTION PACK
					C.B.A.(VEP03778A),
					INPUT/OUTPUT PACK
					C.B.A.(VEP03780C),
					SUB INPUT/OUTPUT PACK
					C.B.A.(VEP03781A),
					DIGITAL TRACKING
					C.B.A. (VEP02387A)
		VEP03774A	LUMINANCE & CHROMINANCE	1	(NLA) NV-V8000EG
			PACK C.B.A.		INCLUDED IN
					LUMINANCE &
					CHROMINANCE MAIN
					C.B.A.(VEP03777A).
		VEP03774B	LUMINANCE & CHROMINANCE	1	(NLA) NV-V8000EB
			PACK C.B.A.		INCLUDED IN
					LUMINANCE &
					CHROMINANCE MAIN
					C.B.A.(VEP03777B)
		VEP03774C	LUMINANCE & CHROMINANCE	1	(NLA) NV-V8000B
			PACK C.B.A.		INCLUDED IN
					LUMINANCE &
					CHROMINANCE MAIN
					C.B.A.(VEP03777C)
		VEP03775A	HQ PACK C.B.A.	1	(NLA)
					INCLUDED IN
					LUMINANCE &
					CHROMINANCE MAIN
					C.B.A.(VEP03777A/
					VEP03777B/VEP03777C).
		VEP03776A	Y/C SEPARATION PACK C.B.A.	1	(NLA)
					INCLUDING THE
					CCD PACK C.B.A.
					(VEP03691B).
					INCLUDED IN
					LUMINANCE &
					CHROMINANCE MAIN
					C.B.A.(VEP03777A/
					VEP03777B/VEP03777C).
		VEP03691B	CCD PACK C.B.A.	1	(NLA)
					INCLUDED IN
					Y/C SEPARATION PACK
					C.B.A.(VEP03776A).
		VEP03778A	TBC SYNC NOISE REDUCTION	1	(NLA)
			PACK C.B.A.		INCLUDED IN
					LUMINANCE &
					CHROMINANCE MAIN
					C.B.A.(VEP03777A/
					VEP03777B/VEP03777C).
		VEP03780A	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-V8000EG
					INCLUDED IN
					LUMINANCE &
					CHROMINANCE MAIN
					C.B.A.(VEP03777A).
		VEP03780B	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-V8000EB
					INCLUDED IN

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
					LUMINANCE & CHROMINANCE MAIN C.B.A.(VEP03777B).
		VEP03780C	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-V8000B INCLUDED IN LUMINANCE & CHROMINANCE MAIN C.B.A.(VEP03777C).
		VEP03781A	SUB INPUT/OUTPUT PACK C.B.A.	1	(NLA) INCLUDED IN LUMINANCE & CHROMINANCE MAIN C.B.A.(VEP03777A/ VEP03777B/VEP03777C).
		VEP02387A	DIGITAL TRACKING C.B.A.	1	(NLA) INCLUDED IN LUMINANCE & CHROMINANCE MAIN C.B.A.(VEP03777A/ VEP03777B/VEP03777C).
		VEP04336A	AUDIO MAIN C.B.A.	1	(NLA) NV-V8000EG INCLUDING THE AUDIO FADER PACK C.B.A.(VEP04317A).
		VEP04336B	AUDIO MAIN C.B.A.	1	(NLA) NV-V8000EB/B INCLUDING THE AUDIO FADER PACK C.B.A.(VEP04317A).
		VEP04317A	AUDIO FADER PACK C.B.A.	1	(NLA) INCLUDED IN AUDIO AUDIO MAIN C.B.A. (VEP04336A/VEP04336B)
		VEP03788B	TBC C.B.A.	1	(NLA)
		VEP03773A	JUMPING CORRECTION C.B.A.	1	(NLA) NV-V8000EG/EB
		VEP03773B	JUMPING CORRECTION C.B.A.	1	(NLA) NV-V8000B
		VEP02366B	INDEX SERCH C.B.A.	1	(NLA)
		VEP07586C	TV DEMODULATOR INTERFACE C.B.A.	1	(NLA) NV-V8000EG INCLUDING THE DECODER PACK C.B.A. (VEP07537C), TV DEMODULATOR PACK C.B.A. (VEP07596A).
		VEP07586D	TV DEMODULATOR INTERFACE C.B.A.	1	(NLA) NV-V8000EB INCLUDING THE NICAM PACK C.B.A. (VEP07548B), TV DEMODULATOR PACK C.B.A.(VEP07596B).
		VEP07586E	TV DEMODULATOR INTERFACE C.B.A.	1	(NLA) NV-V8000B INCLUDING THE NICAM PACK C.B.A. (VEP07548A), TV DEMODULATOR PACK C.B.A.(VEP07592T).
		VEP07537C	DECODER PACK C.B.A.	1	(NLA) NV-V8000EG INCLUDED IN TV DEMODULATOR INTERFACE C.B.A. (VEP07586C).
		VEP07548B	SUB NICAM PACK C.B.A.	1	(NLA) NV-V8000EB INCLUDED IN TV DEMODULATOR INTERFACE C.B.A. (VEP07586D).
		VEP07548A	SUB NICAM PACK C.B.A.	1	(NLA) NV-V8000B INCLUDED IN TV DEMODULATOR INTERFACE C.B.A. (VEP07586E).
		VEP07596A	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-V8000EG INCLUDED IN TV DEMODULATOR INTERFACE C.B.A. (VEP07586C).
		VEP07596B	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-V8000EB INCLUDED IN TV DEMODULATOR INTERFACE C.B.A. (VEP07586D).
		VEP07592T	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-V8000B INCLUDED IN TV DEMODULATOR INTERFACE C.B.A. (VEP07586E).
		VEP07549B	NICAM DECODER C.B.A.	1	(NLA) NV-V8000EB
		VEP07549A	NICAM DECODER C.B.A.	1	(NLA) NV-V8000B
		VEP07606A	VPS INTERFACE C.B.A.	1	(NLA) NV-V8000EG/EB INCLUDING THE VPS PACK C.B.A. (VEP07575A).
		VEP07575A	VPS PACK C.B.A.	1	(NLA) NV-V8000EG/EB INCLUDED IN VPS INTERFACE C.B.A. (VEP07606A).
		VEP05149C	HEAD AMP C.B.A.	1	(NLA)
		VEP00Q25A	OPERATION C.B.A.	1	(NLA) INCLUDING THE IR RECEIVER UNIT (VEK5395).

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEK5395	IR RECEIVER UNIT	1	(NLA) INCLUDED IN OPERATION C.B.A. (VEP00Q25A).
		VEP06745A	KEY BOARD C.B.A.	1	(NLA) NV-V8000EG
		VEP06745B	KEY BOARD C.B.A.	1	(NLA) NV-V8000EB/B
		VEP06701B	FRONT INTERFACE C.B.A.	1	(NLA)
		VEP06702B	FRONT VR C.B.A.	1	(NLA)
		VEP07601B	TIMER(A) C.B.A.	1	(NLA) NV-V8000EG
		VEP07601D	TIMER(A) C.B.A.	1	(NLA) NV-V8000EB
		VEP07601E	TIMER(A) C.B.A.	1	(NLA) NV-V8000B
		VEP07602B	TIMER(B) C.B.A.	1	(NLA) NV-V8000EG
		VEP07602D	TIMER(B) C.B.A.	1	(NLA) NV-V8000EB
		VEP07602C	TIMER(B) C.B.A.	1	(NLA) NV-V8000B
		VEP00Q26B	HEAD PHONE & MIC C.B.A.	1	(NLA) NV-V8000EG
		VEP00Q26A	HEAD PHONE & MIC C.B.A.	1	(NAL) NV-V8000EB/B
		VEP02365B	SERVO VR C.B.A.	1	(NLA)
		VEP04346A	FRONT JACK C.B.A.	1	(NLA) NV-V8000EG
		VEP04316B	FRONT JACK C.B.A.	1	(NLA) NV-V8000EB/B
		VEP01445A	POWER SWITCHING TRANSFORMER C.B.A.	1	<!> (NLA)
		VEP01467A	POWER TRANSFORMER C.B.A.	1	<!> (NLA)
		VEP00Q27A	POWER TRANSISTOR C.B.A.	1	<!> (NLA)
		VEP00Q69A	FAN MOTOR C.B.A.	1	(NLA)
		VEX0121	CYLINDER DRIVE C.B.A.	1	(NLA)
		VEK5096	MECHANISM CONNECTION C.B.A.	1	(NLA)
		VEK5099	COMPACT CASSETTE BLINDER SENSOR FLEXIBLE CABLE UNIT	1	(NLA)
		VEP00Q45A	PHOTO Tr.(T) C.B.A.	1	(NLA)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP00Q47A	PHOTO Tr.(S) C.B.A.	1	(NLA)
		VEP00Q46A	CASSETTE COMPARTMENT CONNECTION C.B.A.	1	(NLA)
		VXA4160	SHUTTER SW UNIT	1	(NLA)
		VEK2657	TENSION SENSOR UNIT	1	(NLA)
		VEK5097	SENSORLED CONNECTION C.B.A.	1	(NLA)
		VEK5095	REEL SOLENOID C.B.A.	1	(NLA)
		VEP66151B	JOG REMOTE CONTROLLER C.B.A.	1	(NLA)
		VEP66126D	DIGITAL SCANNER C.B.A.	1	(NLA) NV-V8000EG/EB
		VEP66126C	DIGITAL SCANNER C.B.A.	1	(NLA) NV-V8000B
P1534		VJP1229T	CONNECTOR(MALE) 2P	1	
P1535		VJP1234T	CONNECTOR(MALE) 7P	1	
P1536		VJP1229T	CONNECTOR(MALE) 2P	1	
P1537		VJP1229T	CONNECTOR(MALE) 2P	1	
F1101		XBA2C16TB0	FUSE	1	<!>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06704B	MAIN C.B.A.		<!> (NLA)
					NV-V8000EG/EB
			CONNECTORS		
BP2012		VJP1254	CONNECTOR(MALE)	1	
BP6004		VJP1261	CONNECTOR(MALE)	1	
BP6007		VJS1233R	CONNECTOR(FEMALE)	1	
BP6204		VJS1234T	CONNECTOR(FEMALE)	1	
			CAPACITORS		
C1801		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C1803-05		ECEA1EU331	E.CAPACITOR 25V 330U	3	
C1806		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C1807		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1808		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C1809		ECUM1H271JN	C.CAPACITOR CH 50V 270P	1	
C1810,11		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C1813		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1814		ECEA1EK470	E.CAPACITOR 25V 47U	1	
C1815		VCYD1C473MR1	S.CAPACITOR 16V 0.047U	1	
C1816		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C1817		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C1818		ECUM1H561KBN	C.CAPACITOR CH 50V 560P	1	
C1819		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C1820,21		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C1822		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1823		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2001,02		ECEA1CK470	E.CAPACITOR 16V 47U	2	
C2003		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2004		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2007		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2008		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2009		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2011		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C2012,13		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C2014		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2015		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2016		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2018		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2019		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C2020		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C2021		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2023		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2024		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2025		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2026		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2027		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2028		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2029		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2030		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2031		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2032		ECEA1HK220	E.CAPACITOR 50V 22U	1	
C2033		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2034		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2035		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C2036		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2037		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C2038,39		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C2040		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2041		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2042		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2043		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2044		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2045		ECEA1EU470	E.CAPACITOR 25V 47U	1	
C2046,47		VCYD1C333MR1	S.CAPACITOR 16V 0.033U	2	
C2048		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2049		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2050,51		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	2	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055-57		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2058		VCYD1C333MR1	S.CAPACITOR 16V 0.033U	1	
C2059-61		ECQB1H333KH	P.CAPACITOR 50V 0.033U	3	
C2062		ECEA1HKR33	E.CAPACITOR 50V 0.33U	1	
C2063		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2064		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2065		ECQB1H332KH	P.CAPACITOR 50V 3300P	1	
C2066		ECQB1H472KH	P.CAPACITOR 50V 4700P	1	
C2067		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C2068		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2069		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2071		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2072		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C2073		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2074		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2075		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2076		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2077		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2080		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C2501		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C2502		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C2503		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C2504		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2505		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2506		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2507		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2508		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2509		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2510		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2511		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2512		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2513		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2514		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2515		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2516		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2517		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2518		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2519		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C2520		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2521		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C2522		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2523		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2524		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2525		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2526		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2527		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2528		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2529		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2530		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2531		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2532-34		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	3	
C2535		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2536		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2537,38		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C2539-41		ECQB1H473JH	P.CAPACITOR 50V 0.047U	3	
C2542-44		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2545		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2546		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2547		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2548		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2549-51		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	3	
C2552		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2553		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2554		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6001		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6002		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6003		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6004		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6010,11		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C6012		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C6013,14		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6015		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6019		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6021		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C6023		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C6024-28		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	5	
C6032		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6035,36		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C6039		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C6042		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6043		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C6044		ECQB1H333KH	P.CAPACITOR 50V 0.033U	1	
C6045		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C6046		ECQB1H103KH	P.CAPACITOR 50V 0.01U	1	
C6047		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6048		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6049		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C6050,51		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C6053,54		ECEA0JK101	E.CAPACITOR 6.3V 100U	2	
C6055		ECKF1H472KB	C.CAPACITOR 50V 4700P	1	
C6056		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6057		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C6201		ECEA1EU471	E.CAPACITOR 25V 470U	1	
C6202		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6203		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6204		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C6205,06		ECEA1HKN010	E.CAPACITOR 50V 1U	2	
C6207		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6208		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C6209		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6210		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6211		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C6212		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6213		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6214-16		ECUM1H221KBN	C.CAPACITOR CH 50V 220P	3	
C6217		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6218		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6219		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C6220		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C6221		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
			DIODES		
D1801-03		MA165VT	DIODE	3	
D1804		MA4160M	DIODE	1	
D1805		EK04	DIODE	1	
D1806		MA723VT	DIODE	1	
D1807,08		EK04	DIODE	2	
D1811		MA165VT	DIODE	1	
D2001		MA723VT	DIODE	1	
D2002,03		MA165VT	DIODE	2	
D2004		MA4062M	DIODE	1	
D2005-08		MA165VT	DIODE	4	
D2012-16		MA165VT	DIODE	5	
D2020		MA165VT	DIODE	1	
D2021-23		MA723VT	DIODE	3	
D2024-27		MA165VT	DIODE	4	
D2028		MA723VT	DIODE	1	
D2029-32		MA165VT	DIODE	4	
D2033		MA165	DIODE	1	
D2503-12		MA165VT	DIODE	10	
D2514		MA165VT	DIODE	1	
D6001		MA165VT	DIODE	1	
D6007-12		MA165VT	DIODE	6	
D6014-16		MA165VT	DIODE	3	
D6018-29		MA165VT	DIODE	12	
D6031		MA165VT	DIODE	1	
D6032		MA723VT	DIODE	1	
D6033		MA165VT	DIODE	1	
D6201		ERA15-01	DIODE	1	
D6202-04		MA165VT	DIODE	3	
D6205		MA4110	DIODE	1	
D6208		MA165VT	DIODE	1	
D6209		11ES1	DIODE	1	
D6210		MA723VT	DIODE	1	
D6211		MA4062L	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6212		MA165VT	DIODE	1	
D6213,14		MA165	DIODE	2	
D6215		MA165VT	DIODE	1	
			INTEGRATED CIRCUITS		
IC1801		BA6149LS	IC	1	
IC2002		MN6743VRDL	IC	1	
IC2003		LM393P	IC	1	
IC2004		MN1280R	IC	1	
IC2005		BA6435S	IC	1	
IC2006		LM358P	IC	1	
IC2007		MC14066BCP	IC	1	
IC2008		AN3727S	IC	1	
IC2009,10		LM358P	IC	2	
IC2011		LM393P	IC	1	
IC2501		AN3621NK	IC	1	
IC2502,03		AN3834K	IC	2	
IC2504		LM393P	IC	1	
IC2505		LM358P	IC	1	
IC6001		MN1882410VSY	IC	1	
IC6002		MN1280R	IC	1	
IC6003		MC14011BCP	IC	1	
IC6004		LM339N	IC	1	
IC6005		MC14066BCP	IC	1	
IC6006		LM393P	IC	1	
IC6201		MN17581VUK	IC	1	
IC6202		M54649L	IC	1	
IC6203,04		MC14519BF	IC	2	
IC6206		MN1280P	IC	1	
IC6207		LM339N	IC	1	
			COILS		
L1801-03		ELC08D021	COIL	3	
L1804,05		VLP0083	COIL	2	
L2001		VLQEL05F101K	COIL 100UH	1	
L2002		VLP0074	COIL	1	
L2003,04		VLP0083	COIL	2	
L2005		VLQEL05F102K	COIL 1000UH	1	
L2006		VLQEL05F101K	COIL 100UH	1	
L2501		VLQEL05F101K	COIL 100UH	1	
L6001,02		VLQEL05F101K	COIL 100UH	2	
L6003		VLQEL05F221K	COIL 220UH	1	
L6004		VLQEL05F101K	COIL 100UH	1	
L6201		VLQEL05F150K	COIL 15UH	1	
L6202		VLQEL05F471K	COIL 470UH	1	
			CONNECTORS		
P1301		VJS1238T	CONNECTOR(FEMALE)	1	
P1535		VJP1258	CONNECTOR(MALE)	1	
P1801		VJP1141	CONNECTOR(MALE) 2P	1	
P2001		VJP1932T	CONNECTOR(MALE)	1	
P2002		VJP1232T	CONNECTOR(MALE) 5P	1	
P2003		VJS1663	CONNECTOR(FEMALE)	1	
P2004		VJP1511T	CONNECTOR(MALE)	1	
P2005		VJP1239T	CONNECTOR(MALE) 12P	1	
P2006		VJP1230T	CONNECTOR(MALE) 3P	1	
P2007		VJP1236T	CONNECTOR(MALE) 9P	1	
P2007		VJS1742	CONNECTOR(FEMALE)	1	
P2008		VJP1932T	CONNECTOR(MALE)	1	
P2009		VJP1231T	CONNECTOR(MALE) 4P	1	
P2010		VJP1230T	CONNECTOR(MALE) 3P	1	
P2010		VJS1736	CONNECTOR(FEMALE)	1	
P2011		VJP1233T	CONNECTOR(MALE) 6P	1	
P2011		VJS1739	CONNECTOR(FEMALE)	1	
P2013		VJS1668	CONNECTOR(FEMALE)	1	
P2501		VJP1230T	CONNECTOR(MALE) 3P	1	
P2502,03		VJS1663	CONNECTOR(FEMALE)	2	
P3705		VJP1257	CONNECTOR(MALE)	1	
P6001		VJP1229T	CONNECTOR(MALE) 2P	1	
P6002		VJP1236T	CONNECTOR(MALE) 9P	1	
P6003		VJP1393T	CONNECTOR(MALE) 13P	1	
P6005		VJP1234T	CONNECTOR(MALE) 7P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6006		VJP1233T	CONNECTOR(MALE) 6P	1	
P6008		VJP1231T	CONNECTOR(MALE) 4P	1	
P6201		VJP1239T	CONNECTOR(MALE) 12P	1	
P6202		VJP1239R	CONNECTOR(MALE)	1	
P6203		VJP1231T	CONNECTOR(MALE) 4P	1	
P6203		VJS1737	CONNECTOR(FEMALE)	1	
P6205		VJP1231T	CONNECTOR(MALE) 4P	1	
P6809		VJS1237T	CONNECTOR(FEMALE)	1	
P6810		VJS1742	CONNECTOR(FEMALE)	1	
P6817		VJS1737	CONNECTOR(FEMALE)	1	
P7501		VJS1739	CONNECTOR(FEMALE)	1	
P7515		VJS1736	CONNECTOR(FEMALE)	1	
P7521		VJS1230T	CONNECTOR(FEMALE)	1	
			TRANSISTORS		
Q1801		MSB709	TRANSISTOR	1	
Q1802-04		2SB772	TRANSISTOR	3	
Q2001		2SD638	TRANSISTOR	1	
Q2002,03		MSD601	TRANSISTOR	2	
Q2004		2SD1273-Q	TRANSISTOR	1	
Q2005		2SC3311	TRANSISTOR	1	
Q2006		MSD601	TRANSISTOR	1	
Q2007		2SC2295	TRANSISTOR	1	
Q2501		2SC2295	TRANSISTOR	1	
Q2502		MSB709	TRANSISTOR	1	
Q2503		2SC2206	TRANSISTOR	1	
Q2504,05		MSB709	TRANSISTOR	2	
Q2506		MSD601	TRANSISTOR	1	
Q6001		2SB643	TRANSISTOR	1	
Q6002,03		2SB790	TRANSISTOR	2	
Q6004		2SB790-R	TRANSISTOR	1	
Q6009		MSD601	TRANSISTOR	1	
Q6012		MSD602	TRANSISTOR	1	
Q6013,14		MSD601	TRANSISTOR	2	
Q6015		2SD636-R	TRANSISTOR	1	
Q6016		2SB641	TRANSISTOR	1	
Q6017,18		MSD601	TRANSISTOR	2	
Q6201		2SB941	TRANSISTOR	1	
Q6202		MSD601	TRANSISTOR	1	
Q6203		2SB819	TRANSISTOR	1	
Q6204		2SD636	TRANSISTOR	1	
Q6205		2SD1273	TRANSISTOR	1	
Q6206,07		2SD636	TRANSISTOR	2	
Q6208		2SB941	TRANSISTOR	1	
Q6209		MSD601	TRANSISTOR	1	
Q6212		MSD601	TRANSISTOR	1	
Q6213		2SB643	TRANSISTOR	1	
Q6214		2SB819	TRANSISTOR	1	
Q6215		2SB641	TRANSISTOR	1	
Q6216		2SD636	TRANSISTOR	1	
Q6217		MSD601	TRANSISTOR	1	
Q6218		2SD639	TRANSISTOR	1	
Q6219		2SB941	TRANSISTOR	1	
			COMBINATION PARTS		
QR1801		MRN1404	TRANSISTOR-RESISTOR	1	
QR1802		MRN2404	TRANSISTOR-RESISTOR	1	
QR1803		MRN1404	TRANSISTOR-RESISTOR	1	
QR1804,05		MRN1403	TRANSISTOR-RESISTOR	2	
QR1806,07		UN2114	TRANSISTOR-RESISTOR	2	
QR2001		MRN1404	TRANSISTOR-RESISTOR	1	
QR2002		MRN2403	TRANSISTOR-RESISTOR	1	
QR2004,05		UN2117	TRANSISTOR-RESISTOR	2	
QR2006		MRN2402	TRANSISTOR-RESISTOR	1	
QR2007		MRN1403	TRANSISTOR-RESISTOR	1	
QR2008,09		MRN2402	TRANSISTOR-RESISTOR	2	
QR2010		MRN1402	TRANSISTOR-RESISTOR	1	
QR2011		MRN1403	TRANSISTOR-RESISTOR	1	
QR2014		MRN2403	TRANSISTOR-RESISTOR	1	
QR2015		MRN1403	TRANSISTOR-RESISTOR	1	
QR2016		MRN1404	TRANSISTOR-RESISTOR	1	
QR2017		MRN2403	TRANSISTOR-RESISTOR	1	
QR2018		MRN1404	TRANSISTOR-RESISTOR	1	
QR2019		MRN2403	TRANSISTOR-RESISTOR	1	
QR2020-25		MRN1404	TRANSISTOR-RESISTOR	6	
QR2501		MRN1403	TRANSISTOR-RESISTOR	1	
QR2502		MRN1404	TRANSISTOR-RESISTOR	1	
QR2503		MRN1403	TRANSISTOR-RESISTOR	1	
QR2504		MRN1402	TRANSISTOR-RESISTOR	1	
QR2505-10		MRN1404	TRANSISTOR-RESISTOR	6	
QR2511		MRN1403	TRANSISTOR-RESISTOR	1	
QR2512,13		UN2215	TRANSISTOR-RESISTOR	2	
QR2514-17		MRN1404	TRANSISTOR-RESISTOR	4	
QR2518		MRN1403	TRANSISTOR-RESISTOR	1	
QR2519,20		MRN1404	TRANSISTOR-RESISTOR	2	
QR2522		MRN1404	TRANSISTOR-RESISTOR	1	
QR2523		MRN2404	TRANSISTOR-RESISTOR	1	
QR2524		MRN2403	TRANSISTOR-RESISTOR	1	
QR2525		MRN1403	TRANSISTOR-RESISTOR	1	
QR2527		MRN1403	TRANSISTOR-RESISTOR	1	
QR2532		UN1113	TRANSISTOR-RESISTOR	1	
QR6002-04		MRN1404	TRANSISTOR-RESISTOR	3	
QR6016,17		MRN1404	TRANSISTOR-RESISTOR	2	
QR6018		MRN2404	TRANSISTOR-RESISTOR	1	
QR6020		MRN1404	TRANSISTOR-RESISTOR	1	
QR6025		MRN1402	TRANSISTOR-RESISTOR	1	
QR6026		MRN2404	TRANSISTOR-RESISTOR	1	
QR6027		MRN1403	TRANSISTOR-RESISTOR	1	
QR6028		MRN2402	TRANSISTOR-RESISTOR	1	
QR6029		MRN2404	TRANSISTOR-RESISTOR	1	
QR6030		MRN1404	TRANSISTOR-RESISTOR	1	
QR6031		MRN1402	TRANSISTOR-RESISTOR	1	
QR6034,35		MRN1404	TRANSISTOR-RESISTOR	2	
QR6036		UN1213	TRANSISTOR-RESISTOR	1	
QR6201		MRN1404	TRANSISTOR-RESISTOR	1	
QR6202		MRN2402	TRANSISTOR-RESISTOR	1	
QR6203-06		MRN1403	TRANSISTOR-RESISTOR	4	
QR6207		UN2216	TRANSISTOR-RESISTOR	1	
QR6208		MRN1404	TRANSISTOR-RESISTOR	1	
QR6210		MRN1403	TRANSISTOR-RESISTOR	1	
QR6211		MRN1404	TRANSISTOR-RESISTOR	1	
QR6212		MRN1402	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R1801		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R1803,04		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R1805		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R1806		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R1807		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1808		ERG1SJ561	M.RESISTOR 1W 560	1	
R1809		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R1810		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R1811		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R1812		ERDS1TJ821	C.RESISTOR 1/2W 820	1	
R1814		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R1815,16		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	2	
R1817,18		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2001		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2002		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2003		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2004		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2005		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R2006		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R2010		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2011		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2012		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2013		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2014		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2015		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2016		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2017		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2018		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2020		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2021		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2022		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2023		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2024		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2025		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2026,27		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2030,31		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2032		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2034		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2035		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2040		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2041		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2043		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2044		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2045,46		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2047		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R2048		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2050		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R2052		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2053		ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R2054		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2055		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2056		ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2057		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2058,59		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2060		ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2061		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2062		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2063		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2064		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2065-68		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R2069		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2070		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2071		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2072		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2073,74		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2075		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2076		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2077		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2078,79		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2080		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2083		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2084,85		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R2086,87		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2089		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2090		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2091		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2092		ERG2SJ100	M.RESISTOR 2W 10	1	
R2093		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2094		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2095		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2097		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2098		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2099		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2100		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R2101		ERJ6GMYG271	M.RESISTOR CH 1/10W 270	1	
R2102,03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R2104		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2105		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2106		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R2107,08		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	2	
R2109		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R2110		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2111		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R2112		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2113		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2114		ERG2SJ100	M.RESISTOR 2W 10	1	
R2501		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2502		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2503		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R2504		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R2505		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2506		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R2507		ERJ6GMYJ334	M.RESISTOR CH 1/10W 330K	1	
R2508		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2509		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2510		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2511		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2512,13		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R2514		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2515		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2516		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2517		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R2518		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2519		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2520		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2521		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2522		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R2523		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2524,25		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2526		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2527-30		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	4	
R2531		ERDS2TJ1R0	C.RESISTOR 1/4W 1.0	1	
R2532		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2533		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2534		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2535,36		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R2537		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2538		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R2539		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2540		ERJ6GMYJ274	M.RESISTOR CH 1/10W 270K	1	
R2541		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2542,43		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	2	
R2544		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2545		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2546		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2547		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2548		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R2549		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2550		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R2551		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2552-54		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2555		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2556		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R2557,58		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2559,60		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R2561		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2562		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2563		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2564		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R2565,66		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2567,68		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R2569		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2570		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2571		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2572		ERJ6GMYJ564	M.RESISTOR CH 1/10W 560K	1	
R2573		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R2574		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2575		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2576		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2579		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2580		ERDS2TJR56	C.RESISTOR 1/4W 0.56	1	
R2581		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2582		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2583		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2584		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2585,86		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R2587-89		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2591		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2593		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2594		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R2598,99		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6001		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6003		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6004		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6005		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6006,07		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R6008		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6009		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6014		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6024		ERJ6GMYJ121	M.RESISTOR CH 1/10W 120	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6025		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6026		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6028		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6030		ERJ6GMYG432	M.RESISTOR CH 1/10W 4.3K	1	
R6031		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6033		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6045,46		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6047		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6048,49		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6050		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6051,52		ERJ6GMYJ564	M.RESISTOR CH 1/10W 560K	2	
R6054		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6055		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6056		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6057		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6058		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6059		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6060		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6061		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6062,63		ERJ6GMYJ564	M.RESISTOR CH 1/10W 560K	2	
R6064-66		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	3	
R6067		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R6068		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6069		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6072		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6077,78		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R6079		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6080		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6081,82		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6083		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6084		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6085		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6087		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6088		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6089		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R6090		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6091		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R6092		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R6093		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R6096		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R6098		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R6100		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6101		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6113		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6118		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6119		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6120		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	
R6121-23		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	3	
R6124-26		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R6127,28		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6129,30		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6131		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6132		ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R6133		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6135,36		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6140		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6141		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6201		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R6202		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6203		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6204,05		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R6206		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6207		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R6208		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6209		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R6210,11		ERG1ANJ330	M.RESISTOR 1W 33	2	
R6212		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R6213,14		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R6215		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6216		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6217,18		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6219		ERDS1TJ561	C.RESISTOR 1/2W 560	1	
R6220		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6221-23		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6228		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6229-31		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	3	
R6232		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6233		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6234		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R6235		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6236,37		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6238		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R6239		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6240,41		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6242		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R6243-45		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	3	
R6246		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6247,48		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6249		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6250		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6251		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6252		ERJ6GMYJ111	M.RESISTOR CH 1/10W 110	1	
R6253		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R6254		ERJ6GMYJ911	M.RESISTOR CH 1/10W 910	1	
R6255,56		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R6257		ERJ6GMYJ911	M.RESISTOR CH 1/10W 910	1	
R6259		ERG12ANJ150	M.RESISTOR 1/2W 15	1	
R6260		ERJ6GMYJ820	M.RESISTOR CH 1/10W 82	1	
R6261		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6262		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6264,65		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6266,67		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6268		ERG12ANJ561	M.RESISTOR 1/2W 560	1	
R6269		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6270,71		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R6272-85		ERJ5GMYJ103	M.RESISTOR CH 1/10W 10K	14	
R6286		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6287		ERDS2TJ563	C.RESISTOR 1/4W 56K	1	
R6288		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R6291		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
			RADER RESISTORS		
RX6201,02		EXBF9E333J	RADER RESISTOR	2	
			TRANSFORMERS		
T6001		EIQ7QF012Q	TRANSFORMER	1	
			CRYSTAL OSCILLATORS		
X1801		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0244	CRYSTAL OSCILLATOR	1	
X2501		VSX0060	CRYSTAL OSCILLATOR	1	
X6001		VSX0306	CRYSTAL OSCILLATOR	1	
X6002		EFBAA20D101K	CRYSTAL OSCILLATOR	1	
X6201		VSX0256	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0122	WIRE SADDLE	3	
		VJF0285	CLAMPER	1	
		VSC3195	SHIELD (TOP)	1	
		VSC3196	SHIELD (MAIN)	1	
		VKC0055	C.B.A. HINGE	2	
		VMX0718	SPACER	3	
		VMX1310	WASHER	1	
	■	VEP06704C	MAIN C.B.A.		<!> (NLA) NV-V8[illegible]00B

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTORS		
BP6004		VJP1261	CONNECTOR(MALE)	1	
BP6007		VJS1233R	CONNECTOR(FEMALE)	1	
BP6204		VJS1234T	CONNECTOR(FEMALE)	1	
			CAPACITORS		
C1801		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C1803-05		ECEA1EU331	E.CAPACITOR 25V 330U	3	
C1806		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C1807		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1808		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C1809		ECUM1H271JN	C.CAPACITOR CH 50V 270P	1	
C1810,11		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C1813		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1814		ECEA1EK470	E.CAPACITOR 25V 47U	1	
C1815		VCYD1C473MR1	S.CAPACITOR 16V 0.047U	1	
C1816		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C1817		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C1818		ECUM1H561KBN	C.CAPACITOR CH 50V 560P	1	
C1819		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C1820,21		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C1822		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1823		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2001,02		ECEA1CK470	E.CAPACITOR 16V 47U	2	
C2003		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2004		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2007		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2008		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2009		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2011		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C2012,13		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C2014		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2015		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2016		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2018		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2019		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C2020		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C2021		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2023		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2024		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2025		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2026		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2027		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2028		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2029		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2030		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2031		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2032		ECEA1HK220	E.CAPACITOR 50V 22U	1	
C2033		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2034		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2035		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C2036		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2037		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C2038,39		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C2040		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2041		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2042		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2043		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2044		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2045		ECEA1EU470	E.CAPACITOR 25V 47U	1	
C2046,47		VCYD1C333MR1	S.CAPACITOR 16V 0.033U	2	
C2048		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2049		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2050,51		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	2	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055-57		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2058		VCYD1C333MR1	S.CAPACITOR 16V 0.033U	1	
C2059-61		ECQB1H333KH	P.CAPACITOR 50V 0.033U	3	
C2062		ECEA1HKR33	E.CAPACITOR 50V 0.33U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2063		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2064		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2065		ECQB1H332KH	P.CAPACITOR 50V 3300P	1	
C2066		ECQB1H472KH	P.CAPACITOR 50V 4700P	1	
C2067		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C2068		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2069		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2071		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2072		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C2073		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2074		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2075		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2076		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2077		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2080		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C2501		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C2502		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C2503		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C2504		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2505		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2506		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2507		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2508		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2509		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2510		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2511		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2512		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2513		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2514		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2515		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2516		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2517		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2518		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2519		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C2520		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2521		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C2522		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2523		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C2524		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2525		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2526		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2527		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2528		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2529		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2530		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2531		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C2532-34		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	3	
C2535		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2536		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2537,38		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C2539-41		ECQB1H473JH	P.CAPACITOR 50V 0.047U	3	
C2542-44		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2545		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2546		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2547		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2548		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2549-51		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	3	
C2552		ECQB1H104JH	P.CAPACITOR 50V 0.1U	1	
C2553		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2554		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6001		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6002		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6003		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6004		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6010,11		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C6012		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C6013,14		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C6015		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6019		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6021		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C6023		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C6024-28		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	5	
C6032		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6035,36		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C6039		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6042		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6043		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C6044		ECQB1H333KH	P.CAPACITOR 50V 0.033U	1	
C6045		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C6046		ECQB1H103KH	P.CAPACITOR 50V 0.01U	1	
C6047		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C6048		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6049		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C6050,51		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C6053,54		ECEA0JK101	E.CAPACITOR 6.3V 100U	2	
C6055		ECKF1H472KB	C.CAPACITOR 50V 4700P	1	
C6056		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6057		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C6201		ECEA1EU471	E.CAPACITOR 25V 470U	1	
C6202		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6203		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6204		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C6205,06		ECEA1HKN010	E.CAPACITOR 50V 1U	2	
C6207		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6208		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C6209		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6210		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6211		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C6212		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6213		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6214-16		ECUM1H221KBN	C.CAPACITOR CH 50V 220P	3	
C6217		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6218		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6219		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C6220		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C6221		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
			DIODES		
D1801-03		MA165VT	DIODE	3	
D1804		MA4160M	DIODE	1	
D1805		EK04	DIODE	1	
D1806		MA723VT	DIODE	1	
D1807,08		EK04	DIODE	2	
D1811		MA165VT	DIODE	1	
D2001		MA723VT	DIODE	1	
D2002,03		MA165VT	DIODE	2	
D2004		MA4062M	DIODE	1	
D2005-09		MA165VT	DIODE	5	
D2012-16		MA165VT	DIODE	5	
D2020		MA165VT	DIODE	1	
D2021-23		MA723VT	DIODE	3	
D2024-27		MA165VT	DIODE	4	
D2028		MA723VT	DIODE	1	
D2029-32		MA165VT	DIODE	4	
D2033		MA165	DIODE	1	
D2503-12		MA165VT	DIODE	10	
D2514		MA165VT	DIODE	1	
D6001		MA165VT	DIODE	1	
D6007-12		MA165VT	DIODE	6	
D6014-16		MA165VT	DIODE	3	
D6018-29		MA165VT	DIODE	12	
D6031		MA165VT	DIODE	1	
D6032		MA723VT	DIODE	1	
D6033		MA165VT	DIODE	1	
D6201		ERA15-01	DIODE	1	
D6202-04		MA165VT	DIODE	3	
D6205		MA4110	DIODE	1	
D6208		MA165VT	DIODE	1	
D6209		11ES1	DIODE	1	
D6210		MA723VT	DIODE	1	
D6211		MA4062L	DIODE	1	
D6212		MA165VT	DIODE	1	
D6213,14		MA165	DIODE	2	
D6215		MA165VT	DIODE	1	
			INTEGRATED CIRCUITS		
IC1801		BA6149LS	IC	1	
IC2002		MN6743VRDL	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC2003		LM393P	IC	1	
IC2004		MN1280R	IC	1	
IC2005		BA6435S	IC	1	
IC2006		LM358P	IC	1	
IC2007		MC14066BCP	IC	1	
IC2008		AN3727S	IC	1	
IC2009,10		LM358P	IC	2	
IC2011		LM393P	IC	1	
IC2501		AN3621NK	IC	1	
IC2502,03		AN3834K	IC	2	
IC2504		LM393P	IC	1	
IC2505		LM358P	IC	1	
IC6001		MN1882410VSY	IC	1	
IC6002		MN1280R	IC	1	
IC6003		MC14011BCP	IC	1	
IC6004		LM339N	IC	1	
IC6005		MC14066BCP	IC	1	
IC6006		LM393P	IC	1	
IC6201		MN17581VUK	IC	1	
IC6202		M54649L	IC	1	
IC6203,04		MC14519BF	IC	2	
IC6206		MN1280P	IC	1	
IC6207		LM339N	IC	1	
			COILS		
L1801-03		ELC08D021	COIL	3	
L1804,05		VLP0083	COIL	2	
L2001		VLQEL05F101K	COIL 100UH	1	
L2002		VLP0074	COIL	1	
L2003,04		VLP0083	COIL	2	
L2005		VLQEL05F102K	COIL 1000UH	1	
L2006		VLQEL05F101K	COIL 100UH	1	
L2501		VLQEL05F101K	COIL 100UH	1	
L6001,02		VLQEL05F101K	COIL 100UH	2	
L6003		VLQEL05F221K	COIL 220UH	1	
L6004		VLQEL05F101K	COIL 100UH	1	
L6201		VLQEL05F150K	COIL 15UH	1	
L6202		VLQEL05F471K	COIL 470UH	1	
			CONNECTORS		
P1535		VJP1258	CONNECTOR(MALE)	1	
P1801		VJP1141	CONNECTOR(MALE) 2P	1	
P2001		VJP1932T	CONNECTOR(MALE)	1	
P2002		VJP1232T	CONNECTOR(MALE) 5P	1	
P2003		VJS1663	CONNECTOR(FEMALE)	1	
P2004		VJP1511T	CONNECTOR(MALE)	1	
P2005		VJP1239T	CONNECTOR(MALE) 12P	1	
P2006		VJP1230T	CONNECTOR(MALE) 3P	1	
P2007		VJP1236T	CONNECTOR(MALE) 9P	1	
P2007		VJS1742	CONNECTOR(FEMALE)	1	
P2008		VJP1932T	CONNECTOR(MALE)	1	
P2009		VJP1231T	CONNECTOR(MALE) 4P	1	
P2010		VJP1230T	CONNECTOR(MALE) 3P	1	
P2010		VJS1736	CONNECTOR(FEMALE)	1	
P2011		VJP1233T	CONNECTOR(MALE) 6P	1	
P2011		VJS1739	CONNECTOR(FEMALE)	1	
P2013		VJS1668	CONNECTOR(FEMALE)	1	
P2501		VJP1230T	CONNECTOR(MALE) 3P	1	
P2502,03		VJS1663	CONNECTOR(FEMALE)	2	
P3705		VJP1257	CONNECTOR(MALE)	1	
P6001		VJP1229T	CONNECTOR(MALE) 2P	1	
P6002		VJP1236T	CONNECTOR(MALE) 9P	1	
P6003		VJP1393T	CONNECTOR(MALE) 13P	1	
P6005		VJP1234T	CONNECTOR(MALE) 7P	1	
P6006		VJP1233T	CONNECTOR(MALE) 6P	1	
P6008		VJP1231T	CONNECTOR(MALE) 4P	1	
P6201		VJP1239T	CONNECTOR(MALE) 12P	1	
P6202		VJP1239R	CONNECTOR(MALE)	1	
P6203		VJP1231T	CONNECTOR(MALE) 4P	1	
P6203		VJS1737	CONNECTOR(FEMALE)	1	
P6205		VJP1231T	CONNECTOR(MALE) 4P	1	
P6809		VJS1237T	CONNECTOR(FEMALE)	1	
P6810		VJS1742	CONNECTOR(FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6817		VJS1737	CONNECTOR(FEMALE)	1	
P7501		VJS1739	CONNECTOR(FEMALE)	1	
P7515		VJS1736	CONNECTOR(FEMALE)	1	
			TRANSISTORS		
Q1801		MSB709	TRANSISTOR	1	
Q1802-04		2SB772	TRANSISTOR	3	
Q2001		2SD638	TRANSISTOR	1	
Q2002,03		MSD601	TRANSISTOR	2	
Q2004		2SD1273-Q	TRANSISTOR	1	
Q2005		2SC3311	TRANSISTOR	1	
Q2006		MSD601	TRANSISTOR	1	
Q2007		2SC2295	TRANSISTOR	1	
Q2501		2SC2295	TRANSISTOR	1	
Q2502		MSB709	TRANSISTOR	1	
Q2503		2SC2206	TRANSISTOR	1	
Q2504,05		MSB709	TRANSISTOR	2	
Q2506		MSD601	TRANSISTOR	1	
Q6001		2SB643	TRANSISTOR	1	
Q6002,03		2SB790	TRANSISTOR	2	
Q6004		2SB790-R	TRANSISTOR	1	
Q6009		MSD601	TRANSISTOR	1	
Q6012		MSD602	TRANSISTOR	1	
Q6013,14		MSD601	TRANSISTOR	2	
Q6015		2SD636-R	TRANSISTOR	1	
Q6016		2SB641	TRANSISTOR	1	
Q6017,18		MSD601	TRANSISTOR	2	
Q6201		2SB941	TRANSISTOR	1	
Q6202		MSD601	TRANSISTOR	1	
Q6203		2SB819	TRANSISTOR	1	
Q6204		2SD636	TRANSISTOR	1	
Q6205		2SD1273	TRANSISTOR	1	
Q6206,07		2SD636	TRANSISTOR	2	
Q6208		2SB941	TRANSISTOR	1	
Q6209		MSD601	TRANSISTOR	1	
Q6212		MSD601	TRANSISTOR	1	
Q6213		2SB643	TRANSISTOR	1	
Q6214		2SB819	TRANSISTOR	1	
Q6215		2SB641	TRANSISTOR	1	
Q6216		2SD636	TRANSISTOR	1	
Q6217		MSD601	TRANSISTOR	1	
Q6218		2SD639	TRANSISTOR	1	
Q6219		2SB941	TRANSISTOR	1	
			COMBINATION PARTS		
QR1801		MRN1404	TRANSISTOR-RESISTOR	1	
QR1802		MRN2404	TRANSISTOR-RESISTOR	1	
QR1803		MRN1404	TRANSISTOR-RESISTOR	1	
QR1804,05		MRN1403	TRANSISTOR-RESISTOR	2	
QR1806,07		UN2114	TRANSISTOR-RESISTOR	2	
QR2001		MRN1404	TRANSISTOR-RESISTOR	1	
QR2002		MRN2403	TRANSISTOR-RESISTOR	1	
QR2004,05		UN2117	TRANSISTOR-RESISTOR	2	
QR2006		MRN2402	TRANSISTOR-RESISTOR	1	
QR2007		MRN1403	TRANSISTOR-RESISTOR	1	
QR2008,09		MRN2402	TRANSISTOR-RESISTOR	2	
QR2010		MRN1402	TRANSISTOR-RESISTOR	1	
QR2011		MRN1403	TRANSISTOR-RESISTOR	1	
QR2014		MRN2403	TRANSISTOR-RESISTOR	1	
QR2015		MRN1403	TRANSISTOR-RESISTOR	1	
QR2016		MRN1404	TRANSISTOR-RESISTOR	1	
QR2017		MRN2403	TRANSISTOR-RESISTOR	1	
QR2018		MRN1404	TRANSISTOR-RESISTOR	1	
QR2019		MRN2403	TRANSISTOR-RESISTOR	1	
QR2020-25		MRN1404	TRANSISTOR-RESISTOR	6	
QR2501		MRN1403	TRANSISTOR-RESISTOR	1	
QR2502		MRN1404	TRANSISTOR-RESISTOR	1	
QR2503		MRN1403	TRANSISTOR-RESISTOR	1	
QR2504		MRN1402	TRANSISTOR-RESISTOR	1	
QR2505-10		MRN1404	TRANSISTOR-RESISTOR	6	
QR2511		MRN1403	TRANSISTOR-RESISTOR	1	
QR2512,13		UN2215	TRANSISTOR-RESISTOR	2	
QR2514-17		MRN1404	TRANSISTOR-RESISTOR	4	
QR2518		MRN1403	TRANSISTOR-RESISTOR	1	
QR2519,20		MRN1404	TRANSISTOR-RESISTOR	2	
QR2522		MRN1404	TRANSISTOR-RESISTOR	1	
QR2523		MRN2404	TRANSISTOR-RESISTOR	1	
QR2524		MRN2403	TRANSISTOR-RESISTOR	1	
QR2525		MRN1403	TRANSISTOR-RESISTOR	1	
QR2527		MRN1403	TRANSISTOR-RESISTOR	1	
QR2532		UN1113	TRANSISTOR-RESISTOR	1	
QR6002-04		MRN1404	TRANSISTOR-RESISTOR	3	
QR6016,17		MRN1404	TRANSISTOR-RESISTOR	2	
QR6018		MRN2404	TRANSISTOR-RESISTOR	1	
QR6020		MRN1404	TRANSISTOR-RESISTOR	1	
QR6025		MRN1402	TRANSISTOR-RESISTOR	1	
QR6026		MRN2404	TRANSISTOR-RESISTOR	1	
QR6027		MRN1403	TRANSISTOR-RESISTOR	1	
QR6028		MRN2402	TRANSISTOR-RESISTOR	1	
QR6029		MRN2404	TRANSISTOR-RESISTOR	1	
QR6030		MRN1404	TRANSISTOR-RESISTOR	1	
QR6031		MRN1402	TRANSISTOR-RESISTOR	1	
QR6034,35		MRN1404	TRANSISTOR-RESISTOR	2	
QR6036		UN1213	TRANSISTOR-RESISTOR	1	
QR6201		MRN1404	TRANSISTOR-RESISTOR	1	
QR6202		MRN2402	TRANSISTOR-RESISTOR	1	
QR6203-06		MRN1403	TRANSISTOR-RESISTOR	4	
QR6207		UN2216	TRANSISTOR-RESISTOR	1	
QR6208		MRN1404	TRANSISTOR-RESISTOR	1	
QR6210		MRN1403	TRANSISTOR-RESISTOR	1	
QR6211		MRN1404	TRANSISTOR-RESISTOR	1	
QR6212		MRN1402	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R1801		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R1803,04		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R1805		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R1806		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R1807		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1808		ERG1SJ561	M.RESISTOR 1W 560	1	
R1809		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R1810		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R1811		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R1812		ERDS1TJ821	C.RESISTOR 1/2W 820	1	
R1814		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R1815,16		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	2	
R1817,18		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2001		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2002		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2003		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2004		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2005		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R2006		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R2010		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2011		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2012		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2013		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2014		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2015		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2016		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2017		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2018		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2020		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2021		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2022		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2023		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2024		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2025		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2026,27		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2030,31		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2032		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2034		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2035		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2040		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2041		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2043		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2044		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2045,46		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2047		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R2048		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2050		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R2052		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2053		ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R2054		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2055		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2056		ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2057		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2058,59		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2060		ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2061		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2062		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2063		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2064		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2065-68		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R2069		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2070		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2071		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2072		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2073,74		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2075		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2076		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2077		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2078,79		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2080		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2083		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2084,85		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R2086,87		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2089		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2090		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2091		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2092		ERG2SJ100	M.RESISTOR 2W 10	1	
R2093		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2094		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2095		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2097		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2098		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2099		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2100		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R2101		ERJ6GMYG271	M.RESISTOR CH 1/10W 270	1	
R2102,03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R2104		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2105		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2106		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R2107,08		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	2	
R2109		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R2110		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2111		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R2112		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2113		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2114		ERG2SJ100	M.RESISTOR 2W 10	1	
R2501		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2502		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2503		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R2504		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R2505		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2506		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R2507		ERJ6GMYJ334	M.RESISTOR CH 1/10W 330K	1	
R2508		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2509		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2510		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2511		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2512,13		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R2514		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2515		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2516		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2517		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R2518		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2519		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2520		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2521		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2522		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R2523		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2524,25		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2526		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2527-30		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	4	
R2531		ERDS2TJ1R0	C.RESISTOR 1/4W 1.0	1	
R2532		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2533		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2534		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2535,36		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R2537		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2538		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R2539		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2540		ERJ6GMYJ274	M.RESISTOR CH 1/10W 270K	1	
R2541		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2542,43		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	2	
R2544		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2545		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2546		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2547		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2548		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R2549		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2550		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R2551		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2552-54		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2555		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2556		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R2557,58		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2559,60		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R2561		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2562		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2563		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2564		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R2565,66		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2567,68		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R2569		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2570		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2571		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2572		ERJ6GMYJ564	M.RESISTOR CH 1/10W 560K	1	
R2573		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R2574		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2575		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2576		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2579		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2580		ERDS2TJR56	C.RESISTOR 1/4W 0.56	1	
R2581		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2582		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R2583		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2584		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2585,86		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R2587-89		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2591		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2593		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R2594		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R2598,99		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6001		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6003		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6004		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6005		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6006,07		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R6008		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6009		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6014		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6024		ERJ6GMYJ121	M.RESISTOR CH 1/10W 120	1	
R6025		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6026		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6028		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6030		ERJ6GMYG432	M.RESISTOR CH 1/10W 4.3K	1	
R6031		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6033		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6045,46		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6047		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6048,49		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6050		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6051,52		ERJ6GMYJ564	M.RESISTOR CH 1/10W 560K	2	
R6054		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6055		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6056		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6057		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6058		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6059		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6060		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6061		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6062,63		ERJ6GMYJ564	M.RESISTOR CH 1/10W 560K	2	
R6064-66		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	3	
R6067		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R6068		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6069		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6072		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6077,78		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R6079		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6080		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6081,82		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6083		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6084		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6085		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6087		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6088		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6089		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R6090		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6091		ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K	1	
R6092		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R6093		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R6096		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R6098		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R6100		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6101		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6113		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6118		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6119		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6120		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	
R6121-23		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	3	
R6124-26		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R6127,28		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6129,30		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6131		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6132		ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R6133		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6135,36		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6140		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6141		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6201		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R6202		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6203		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6204,05		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R6206		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6207		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R6208		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6209		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R6210,11		ERG1ANJ330	M.RESISTOR 1W 33	2	
R6212		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R6213,14		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R6215		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6216		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6217,18		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6219		ERDS1TJ561	C.RESISTOR 1/2W 560	1	
R6220		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6221-23		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	3	
R6228		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6229-31		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	3	
R6232		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6233		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6234		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R6235		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6236,37		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6238		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R6239		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6240,41		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6242		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R6243-45		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	3	
R6246		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6247,48		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6249		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6250		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6251		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6252		ERJ6GMYJ111	M.RESISTOR CH 1/10W 110	1	
R6253		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R6254		ERJ6GMYJ911	M.RESISTOR CH 1/10W 910	1	
R6255,56		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R6257		ERJ6GMYJ911	M.RESISTOR CH 1/10W 910	1	
R6259		ERG12ANJ150	M.RESISTOR 1/2W 15	1	
R6260		ERJ6GMYJ820	M.RESISTOR CH 1/10W 82	1	
R6261		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6262		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6264,65		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R6266,67		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R6268		ERG12ANJ561	M.RESISTOR 1/2W 560	1	
R6269		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6270,71		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	
R6272-85		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	14	
R6286		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6287		ERDS2TJ563	C.RESISTOR 1/4W 56K	1	
R6288		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R6291		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
			RADER RESISTORS		
RX6201,02		EXBF9E333J	RADER RESISTOR	2	
			TRANSFORMERS		
T6001		EIQ7QF012Q	TRANSFORMER	1	
			CRYSTAL OSCILLATORS		
X1801		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0244	CRYSTAL OSCILLATOR	1	
X2501		VSX0060	CRYSTAL OSCILLATOR	1	
X6001		VSX0306	CRYSTAL OSCILLATOR	1	
X6002		EFBAA20D101K	CRYSTAL OSCILLATOR	1	
X6201		VSX0256	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0122	WIRE SADDLE	3	
		VJF0285	CLAMPER	1	
		VSC3195	SHIELD (TOP)	1	
		VSC3196	SHIELD (MAIN)	1	
		VKC0055	C.B.A. HINGE	2	
		VMX0718	SPACER	3	
		VMX1310	WASHER	1	
	■	VEP03777A	LUMINANCE & CHROMINANCE		(NLA) NV−V8000EG
			MAIN C.B.A.		
			CAPACITORS		
C301		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C302-04		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C305		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C306		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C307		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C308		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C309		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C311		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C312		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C313		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C316		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C317		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C318		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C320		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C322		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C323		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C324		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C325		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C326		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C329		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C330		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C332		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C333		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C334		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C335		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C336		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C337		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C338,39		ECEA0JK220	E.CAPACITOR 6.3V 22U	2	
C341		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C342		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C344		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C345		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C346		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C348		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C349		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C801		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C802		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C803,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C805		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C806		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C807		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C808		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C810		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C811		ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C812		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C813		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C814		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C815		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C816		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C817		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C819		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C821		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C823		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C824		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C825		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C826		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C827		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C828		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C832		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C833		ECRHA020D41	TRIMMER	1	
C834		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C835-38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C851		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C852		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C853		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C854		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C855		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C856		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C859		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C860		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C861		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C862-64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C865		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3003-05		ECEA1CKN100	E.CAPACITOR 16V 10U	3	
C3006,07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3008		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3009-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3013		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3014		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3015		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3016		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3017,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3019		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3021-23		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3024		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3025		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3026		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3030-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3033		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3034		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3035		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3036		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3037		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3038,39		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C3040		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3041		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3201		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3202		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3203		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3204		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3205		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3206		ECEA1AU471	E.CAPACITOR 10V 470U	1	
C3207		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3208		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3209		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3210		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3211		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3212		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3213		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3214		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C3215		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3216		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3217		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3218		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3219		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3220-23		ECEA1CK220	E.CAPACITOR 16V 22U	4	
C3224		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C3225		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3226-28		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3229		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3230-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3233		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3234,35		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	2	
C3301		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3303		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3304		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3305		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3306		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3307		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3308,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3310,11		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C3312,13		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3314		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3315		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C3316		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3317		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3318		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3319		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3321		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3322		ECUM1E473ZFN	C.CAPACITOR CH 25V 0.047U	1	
C3323		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3324		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3325		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3401		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3402		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3403,04		ECEA1CK220	E.CAPACITOR 16V 22U	2	
C3405		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3406		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3407		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3408		ECEA1CK220	E.CAPACITOR 16V 22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3409-11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3412		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3413		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3414		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3415		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3416,17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3418		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3419		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3420		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3421-23		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3424		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3425		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3426		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3427,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3429		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3430		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3431-33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3434		ECEA1EK470	E.CAPACITOR 25V 47U	1	
C3435		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3436		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3437,38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3605		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3606		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3607		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3608		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3609		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3610		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3611		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C3612		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3613		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3614		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3616,17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3618		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3619		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3620		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3621		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3622		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C3623		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3624		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3625		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3626		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3627		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3651		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3653		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3655		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3656		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C3706		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3707		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3709		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3710,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3713		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3714,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3716		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3717		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3718		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C3719		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3721		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3722		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3723		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3724		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3726		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3727		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3728		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3729		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3733		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3734		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3736		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3737-40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3741		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3742		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3743		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3746		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3747,48		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3749		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3750-52		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3753		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3754		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3755		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3756,57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3758		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3759		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3760		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3762		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3763		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3764		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3765,66		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3767		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C3768		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C3771-73		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3777,78		ECEA1CK470	E.CAPACITOR 16V 47U	2	
C3781		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3782		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3783		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3784		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3785		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3789		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3790		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3799		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3801		ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C3802		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C3803		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C3804		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3805		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C3806-11		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	6	
C3812		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3813		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C3814		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3815,16		ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C3817-19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3820,21		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3822		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3823		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3824,25		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C3851		ECQB1H103KH	P.CAPACITOR 50V 0.01U	1	
C3852		ECQB1H332KH	P.CAPACITOR 50V 3300P	1	
C3853		ECQP1562JZ	P.CAPACITOR 100V 5600P	1	
C3854		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3855		ECQB1H272KH	P.CAPACITOR 50V 2700P	1	
C3856		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3857		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3858		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3859		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3860		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3901		ECQB1H682KH	P.CAPACITOR 50V 6800P	1	
C3902		ECQB1H183JH	P.CAPACITOR 50V 0.018U	1	
C3903,04		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C3905		ECQB1H682KH	P.CAPACITOR 50V 6800P	1	
C3906		ECQB1H183JH	P.CAPACITOR 50V 0.018U	1	
C5001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5002		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C5003		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5004		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C5005		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5006		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5007		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C5008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5009		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5010		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5012		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C5013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C5014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5015,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5017		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C5018-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5021		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C5022		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5023,24		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C5025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5026		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C5027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5030		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5032		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C5033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5035		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C5036		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C5037		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5038		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C5039		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5040		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5041		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C5042		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C5044		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5045		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5046		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C5047		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C5048		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C5049		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5050		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5051		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5052		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5053		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5054		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5055		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5501		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C5502-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C5507,08		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C5509		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5510		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C5511		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C5514		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8301,02		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8303		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8304,05		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8306		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C8307,08		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8309		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8310		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8311		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8312		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8313		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8314		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C8315		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
			DIODES		
D801		MA151K	DIODE	1	
D802		MA151WA	DIODE	1	
D3001		MA151K	DIODE	1	
D3002		MA151WK	DIODE	1	
D3003		MA721	DIODE	1	
D3004,05		MA151K	DIODE	2	
D3007		MA151WK	DIODE	1	
D3008-12		MA151K	DIODE	5	
D3201		MA151WK	DIODE	1	
D3301		MA151K	DIODE	1	
D3302		MA3091M	DIODE	1	
D3303		MA151K	DIODE	1	
D3401,02		1SS99	DIODE	2	
D3403		MA4100L	DIODE	1	
D3601		MA151WA	DIODE	1	
D3703,04		1SS99	DIODE	2	
D3705		MA4100L	DIODE	1	
D5001		MA151K	DIODE	1	
D8301		MA151K	DIODE	1	
D8303		MA151WK	DIODE	1	
			DELAY LINES		
DL801		VLD0147	DELAY LINE	1	
DL3701		VLD0177	DELAY LINE	1	
DL8301		VLD0089	DELAY LINE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			FILTERS		
FL301		ELB4L121	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0639	FILTER	1	
FL304		ELB4M022	FILTER	1	
FL801		VLF0299	FILTER	1	
FL802		ELB4S046	FILTER	1	
FL851		VLF0143	FILTER	1	
FL3001		VLF0413	FILTER	1	
FL3302		ELB4R049	FILTER	1	
FL3401,02		ELB4A010	FILTER	2	
FL3701		VLF0765	FILTER	1	
FL3702		VLF0766	FILTER	1	
FL3705		ELB4S041	FILTER	1	
FL3706-08		ELB4Q072	FILTER	3	
FL3801		ELB4R046	FILTER	1	
FL3802,03		VLF0523	FILTER	2	
FL3804,05		VLF0526	FILTER	2	
FL5001		ELB5A066	FILTER	1	
FL5002		ELB4K114	FILTER	1	
FL5003		ELB4R031	FILTER	1	
FL5004		ELB4K114	FILTER	1	
			INTEGRATED CIRCUITS		
IC301		VEFH07C	IC	1	
IC302		M52055FP	IC	1	
IC303		VEFH05BT	IC	1	
IC304		NJM2233BMA	IC	1	
IC801		VCR0284	IC	1	
IC802		AN607	IC	1	
IC851		BA7025L	IC	1	
IC2401		MC14066BF	IC	1	
IC3001		M52055FP	IC	1	
IC3002		BA7004	IC	1	
IC3003		AN6308S	IC	1	
IC3201		M52055FP	IC	1	
IC3202		VCR0281	IC	1	
IC3203		M51292FP	IC	1	
IC3204,05		TA7348P	IC	2	
IC3301		AN3495K	IC	1	
IC3302		MSM6871RS	IC	1	
IC3401		MST001MS	IC	1	
IC3402,03		MSM6965	IC	2	
IC3601		AN3372K	IC	1	
IC3701,02		M52055FP	IC	2	
IC3703		AN607	IC	1	
IC3704		AN3916	IC	1	
IC3705		CX22013	IC	1	
IC3706		AN608P	IC	1	
IC3707		AN607	IC	1	
IC3708		AN608P	IC	1	
IC3801,02		CXL1009P	IC	2	
IC3854		AN5421N	IC	1	
IC5001		M52054SP	IC	1	
IC5002		AN6308S	IC	1	
IC5501		M52079SP	IC	1	
			CONNECTOR		
J3906		VJS1470	CONNECTOR(FEMALE)	1	
			COILS		
L302		VLQEL06F101K	COIL 100UH	1	
L303		VLQEL05F680K	COIL 68UH	1	
L304		VLQEL05F560K	COIL 56UH	1	
L305-08		VLQEL05F101K	COIL 100UH	4	
L310		VLQEL05F220K	COIL 22UH	1	
L801-03		VLQEL05F101K	COIL 100UH	3	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F150K	COIL 15UH	1	
L809,10		VLQEL05F681K	COIL 680UH	2	
L811		VLQEL05F331K	COIL 330UH	1	
L812		VLQEL05F470K	COIL 47UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L814		VLQEL05F330J	COIL 33UH	1	
L851		VLQEL05F101K	COIL 100UH	1	
L852		VLQEL05F330K	COIL 33UH	1	
L853		VLQEL05F101K	COIL 100UH	1	
L3001		VLQEL05F101K	COIL 100UH	1	
L3002		VLP0083	COIL	1	
L3003-05		VLQEL05F101K	COIL 100UH	3	
L3006		VLP0083	COIL	1	
L3201,02		VLQEL05F101K	COIL 100UH	2	
L3301-03		VLQEL05F101K	COIL 100UH	3	
L3304		VLP0083	COIL	1	
L3401,02		VLQEL05F101K	COIL 100UH	2	
L3403		VLP0083	COIL	1	
L3404		VLQEL05F101K	COIL 100UH	1	
L3405,06		VLP0083	COIL	2	
L3407		VLQEL05F101K	COIL 100UH	1	
L3408,09		VLP0083	COIL	2	
L3410		VLQEL05F101K	COIL 100UH	1	
L3411		VLP0053	COIL	1	
L3601		VLQEL05F101K	COIL 100UH	1	
L3651		VLQEL05F101K	COIL 100UH	1	
L3652		VLQEL05F330K	COIL 33UH	1	
L3704,05		VLQEL05F101K	COIL 100UH	2	
L3713		VLQEL05F390K	COIL 39UH	1	
L3714		VLQEL05F101K	COIL 100UH	1	
L3716		VLQEL05F101K	COIL 100UH	1	
L3719,20		VLQEL05F8R2K	COIL 8.2UH	2	
L3801		VLP0053	COIL	1	
L3851		VLQEL05F101K	COIL 100UH	1	
L3901,02		VLQEL05F102K	COIL 1000UH	2	
L5001		VLQEL05F101K	COIL 100UH	1	
L5002		VLQEL05F181K	COIL 180UH	1	
L5003		VLQEL05F270J	COIL 27UH	1	
L5004,05		VLQEL05F5R6K	COIL 5.6UH	2	
L5006		VLQEL05F120K	COIL 12UH	1	
L5007		VLQEL05F101K	COIL 100UH	1	
L5008,09		VLQEL05F100K	COIL 10UH	2	
L5010		VLQ0188J220	COIL	1	
L5012,13		VLQEL05F101K	COIL 100UH	2	
L5014		VLQEL05F681K	COIL 680UH	1	
L5015		VLQEL05F151K	COIL 150UH	1	
L5016		VLQEL05F820K	COIL 82UH	1	
L5017		VLP0083	COIL	1	
L5018		VLQEL05F100J	COIL 10UH	1	
L8301		VLQEL05F101K	COIL 100UH	1	
L8302,03		VLQEL05F150K	COIL 15UH	2	
L8304		VLQEL05F270K	COIL 27UH	1	
L8305		VLQEL05F151K	COIL 150UH	1	
L8306		VLQEL05F101K	COIL 100UH	1	
			CONNECTORS		
P501		VJS1743	CONNECTOR(FEMALE)	1	
P2004		VJS1744	CONNECTOR(FEMALE)	1	
P2005		VJS1745	CONNECTOR(FEMALE)	1	
P2006		VJS1736	CONNECTOR(FEMALE)	1	
P2804		VJS1234T	CONNECTOR(FEMALE)	1	
P3001		VJP1237T	CONNECTOR(MALE) 10P	1	
P3001		VJS1743	CONNECTOR(FEMALE)	1	
P3002		VJP1237T	CONNECTOR(MALE) 10P	1	
P3002		VJS1743	CONNECTOR(FEMALE)	1	
P3004		VJP1233T	CONNECTOR(MALE) 6P	1	
P3004		VJS1233T	CONNECTOR(FEMALE)	1	
P3006		VJP1229T	CONNECTOR(MALE) 2P	1	
P3006		VJS1735	CONNECTOR(FEMALE)	1	
P3007		VJP1232T	CONNECTOR(MALE) 5P	1	
P3007		VJS1738	CONNECTOR(FEMALE)	1	
P3010		VJP1932T	CONNECTOR(MALE)	1	
P3010		VJS1932T	CONNECTOR(FEMALE)	1	
P3011		VJP1231T	CONNECTOR(MALE) 4P	1	
P3011		VJS1737	CONNECTOR(FEMALE)	1	
P3012		VJP1393T	CONNECTOR(MALE) 13P	1	
P3012		VJS2381	CONNECTOR(FEMALE)	1	
P3015		VJP1230T	CONNECTOR(MALE) 3P	1	
P3015		VJS1736	CONNECTOR(FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P3101		VJP1234T	CONNECTOR(MALE) 7P	1	
P3101		VJS1234T	CONNECTOR(FEMALE)	1	
P3201		VJP1233T	CONNECTOR(MALE) 6P	1	
P3201		VJP1511T	CONNECTOR(MALE)	1	
P3201		VJS1744	CONNECTOR(FEMALE)	1	
P3202		VJP1239T	CONNECTOR(MALE) 12P	1	
P3202		VJS1745	CONNECTOR(FEMALE)	1	
P3203		VJP1230T	CONNECTOR(MALE) 3P	1	
P3203		VJS1736	CONNECTOR(FEMALE)	1	
P3210		VJS1233R	CONNECTOR(FEMALE)	1	
P3301		VJS2651B008Z	CONNECTOR(FEMALE)	1	
P3302		VJS2651B006Z	CONNECTOR(FEMALE)	1	
P3501		VJS2381	CONNECTOR(FEMALE)	1	
P3502		VJS1737	CONNECTOR(FEMALE)	1	
P3503		VJS1232T	CONNECTOR(FEMALE)	1	
P3701		VJS1233R	CONNECTOR(FEMALE)	1	
P3901		VJP1245T	CONNECTOR(MALE) 5P	1	
P3901		VJS1232T	CONNECTOR(FEMALE)	1	
P3902		VJP1248T	CONNECTOR(MALE) 8P	1	
P3902		VJS1235T	CONNECTOR(FEMALE)	1	
P3903		VJS2651B007Z	CONNECTOR(FEMALE)	1	
P3904		VJS2651B005Z	CONNECTOR(FEMALE)	1	
P4007		VJS1235T	CONNECTOR(FEMALE)	1	
P4011		VJS1736	CONNECTOR(FEMALE)	1	
P6006		VJS1233T	CONNECTOR(FEMALE)	1	
P6815		VJS1738	CONNECTOR(FEMALE)	1	
P6816		VJS1743	CONNECTOR(FEMALE)	1	
P7520		VJS1735	CONNECTOR(FEMALE)	1	
P7941		VJS1233T	CONNECTOR(FEMALE)	1	
P9001		VJS1239T	CONNECTOR(FEMALE)	1	
P9002		VJS1235T	CONNECTOR(FEMALE)	1	
			CONNECTORS		
PJ3701		VJP2775	CONNECTOR(MALE)	1	
PJ3702		VJP2778	CONNECTOR(MALE)	1	
			PACK PINS		
PK301,02		VJR0290	PACK PIN	2	
PK303		VJR0634	PACK PIN	1	
PK3004		VJP1855	PACK PIN	1	
PK3005		VJP1865	PACK PIN	1	
PK3007		VJP1863	PACK PIN	1	
PK3201		VJS1863	PACK PIN	1	
PK3401		VJR0279	PACK PIN	1	
PK3801		VJS2775	PACK PIN	1	
PK3802		VJS2778	PACK PIN	1	
PK3901		VJR0452	PACK PIN	1	
PK5001		VJS1855	PACK PIN	1	
PK5002		VJS1865	PACK PIN	1	
			TRANSISTORS		
Q301		2SD601	TRANSISTOR CHIP	1	
Q302		2SC2295	TRANSISTOR	1	
Q801		2SB709	TRANSISTOR CHIP	1	
Q802		2SC2295	TRANSISTOR	1	
Q803,04		2SD601	TRANSISTOR CHIP	2	
Q2401		2SB709	TRANSISTOR	1	
Q3001		2SB709	TRANSISTOR CHIP	1	
Q3002		2SD602	TRANSISTOR CHIP	1	
Q3004		2SC2295	TRANSISTOR	1	
Q3005		2SD602	TRANSISTOR CHIP	1	
Q3006		2SD602	TRANSISTOR	1	
Q3201		2SC2295	TRANSISTOR	1	
Q3202		2SB709	TRANSISTOR CHIP	1	
Q3203		2SD601	TRANSISTOR CHIP	1	
Q3301-04		2SC2295	TRANSISTOR	4	
Q3401-03		2SB709	TRANSISTOR CHIP	3	
Q3404,05		2SD601	TRANSISTOR CHIP	2	
Q3406		2SB709	TRANSISTOR CHIP	1	
Q3407		2SD601	TRANSISTOR CHIP	1	
Q3408		2SB709	TRANSISTOR CHIP	1	
Q3409		2SD601	TRANSISTOR CHIP	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q3410		2SB709	TRANSISTOR CHIP	1	
Q3411,12		2SD601	TRANSISTOR CHIP	2	
Q3413		2SB709	TRANSISTOR CHIP	1	
Q3414-16		2SD601	TRANSISTOR CHIP	3	
Q3417		2SB709	TRANSISTOR CHIP	1	
Q3418-20		2SD601	TRANSISTOR CHIP	3	
Q3601		2SD601	TRANSISTOR CHIP	1	
Q3602,03		2SB709	TRANSISTOR CHIP	2	
Q3701		2SC2295	TRANSISTOR	1	
Q3702		2SB709	TRANSISTOR CHIP	1	
Q3703		2SD601	TRANSISTOR CHIP	1	
Q3704		2SC2295	TRANSISTOR	1	
Q3705		2SB709	TRANSISTOR CHIP	1	
Q3706,07		2SC2295	TRANSISTOR	2	
Q3708		2SB709	TRANSISTOR CHIP	1	
Q3709		2SC2295	TRANSISTOR	1	
Q3710		2SD601	TRANSISTOR CHIP	1	
Q3711		2SC2295	TRANSISTOR	1	
Q3712		2SB709	TRANSISTOR CHIP	1	
Q3713,14		2SC2295	TRANSISTOR	2	
Q3715		2SB709	TRANSISTOR CHIP	1	
Q3716		2SC2295	TRANSISTOR	1	
Q3717		2SA1022	TRANSISTOR CHIP	1	
Q3718		2SC2295	TRANSISTOR	1	
Q3719-21		2SD601	TRANSISTOR CHIP	3	
Q3722		2SC2295	TRANSISTOR	1	
Q3723		2SB709	TRANSISTOR CHIP	1	
Q3724		2SC2295	TRANSISTOR	1	
Q3725,26		2SD601	TRANSISTOR CHIP	2	
Q3728		2SC2295	TRANSISTOR	1	
Q3729-31		2SD601	TRANSISTOR CHIP	3	
Q3733,34		2SD601	TRANSISTOR CHIP	2	
Q3801		2SC2295	TRANSISTOR	1	
Q3802-04		2SB709	TRANSISTOR CHIP	3	
Q5001		2SC2295	TRANSISTOR	1	
Q5002,03		2SD601	TRANSISTOR CHIP	2	
Q5004,05		2SC2295	TRANSISTOR	2	
Q5006		2SB709	TRANSISTOR CHIP	1	
Q5007-13		2SC2295	TRANSISTOR	7	
Q5014		2SB709	TRANSISTOR CHIP	1	
Q5015		2SC2295	TRANSISTOR	1	
Q5017,18		2SD601	TRANSISTOR CHIP	2	
Q5501		2SB709	TRANSISTOR CHIP	1	
Q8301		2SD601	TRANSISTOR CHIP	1	
Q8302		2SC2295	TRANSISTOR	1	
			COMBINATION PARTS		
QR301-04		UN2213	TRANSISTOR-RESISTOR	4	
QR305		UN2110	TRANSISTOR-RESISTOR	1	
QR310,11		UN2213	TRANSISTOR-RESISTOR	2	
QR801-05		UN2213	TRANSISTOR-RESISTOR	5	
QR806		UN2113	TRANSISTOR-RESISTOR	1	
QR2401		UN2213	TRANSISTOR-RESISTOR	1	
QR3001,02		UN2213	TRANSISTOR-RESISTOR	2	
QR3003		UN2212	TRANSISTOR-RESISTOR	1	
QR3004,05		UN2213	TRANSISTOR-RESISTOR	2	
QR3006		UN2111	TRANSISTOR-RESISTOR	1	
QR3007		DTC363EK	TRANSISTOR-RESISTOR	1	
QR3008-10		UN2213	TRANSISTOR-RESISTOR	3	
QR3012		UN2213	TRANSISTOR-RESISTOR	1	
QR3201		UN2213	TRANSISTOR-RESISTOR	1	
QR3207,08		UN2213	TRANSISTOR-RESISTOR	2	
QR3301-03		UN2213	TRANSISTOR-RESISTOR	3	
QR3601-03		UN2213	TRANSISTOR-RESISTOR	3	
QR3851		UN2212	TRANSISTOR-RESISTOR	1	
QR5001-04		DTC363EK	TRANSISTOR-RESISTOR	4	
QR5006		UN2213	TRANSISTOR-RESISTOR	1	
QR5008		UN211D	TRANSISTOR-RESISTOR	1	
QR5009		UN2211	TRANSISTOR-RESISTOR	1	
QR5010		DTC114EK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R302		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R306		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R307		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R309		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R310		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R312		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R313		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R314		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R315		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R316		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R317		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R318,19		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R320,21		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R322		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R323,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R325		ERJ6GEYJ911	M.RESISTOR CH 1/10W 910	1	
R326		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R327		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R328		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R330		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R331		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R332		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R337		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R338		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R339		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R340		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R341		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R345		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R801		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R802		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R803		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R808		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R809,10		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	2	
R811		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R812		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R813		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R814		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R815		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R816		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R817		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R818		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R820		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R821		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R822		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R823,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R825		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R826		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R827		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R841		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R851		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R852		ERJ6GEYJ390	M.RESISTOR CH 1/10W 39	1	
R853		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R854		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R855		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R856		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R857		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R858		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R859,60		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R861		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R862		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R863		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R864		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2401		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2402		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2403,04		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R3001,02		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3003,04		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3005		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3006		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3007		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3008		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3009		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3010,11		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	2	
R3012		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3013		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3014		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3016		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3017		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3018		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3019		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3021		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3022,23		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3024		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3025		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3026		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3027		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3028		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3029		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3030		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3031		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3032		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3033		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3034		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3035		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3036		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3201-03		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R3204		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3205-07		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R3208		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3209		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3210		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3211		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3212		ERJ6GEYJ202	M.RESISTOR CH 1/10W 2K	1	
R3213		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3214		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3215		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3216		ERJ6GEYJ202	M.RESISTOR CH 1/10W 2K	1	
R3221		ERD2FCG220	C.RESISTOR 2W 22	1	<!>
R3222		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3301		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3302		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3303		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3304		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3305		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3306		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3307		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3308		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3309		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3310		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3311		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3312		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3313		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3314		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3315		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3316		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3317		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3318		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3319		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3320		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3321		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3349,50		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3401		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3403,04		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3405		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3406		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3407		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3408		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3409,10		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3411		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3412		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3413,14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3415		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3416		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3417		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3418		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3419		ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	1	
R3420		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3421		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3422		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3423		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3424		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3425,26		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3427		ERJ6GEYJ432	M.RESISTOR CH 1/10W 4.3K	1	
R3428		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3429		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3430,31		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3432		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3433		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3434		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3435		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3436		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3437		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3438		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3439		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3440		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3441		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3442		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3443		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3601		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3602		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3603		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3605		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3606,07		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	2	
R3609		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3610		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R3611		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R3612		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3613		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3614		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R3615		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3616-19		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	4	
R3620,21		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3639		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3642		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R3651		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3652		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3653,54		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3655		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3706		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3707		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3708		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3709		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3710		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3712		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3713		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3714		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3715		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3716		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3717		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R3718		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3719		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3720		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3721		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3722		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3723		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3724		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3725		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3727		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3728		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3729		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3730		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3731		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3732		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3737		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3738		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3739		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3740		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3741		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3742		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3743		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3744		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3745		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3746		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3747		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3748		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3749		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3750		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3751,52		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3753		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R3754		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3755		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3756		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3757		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3758		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3759,60		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3761		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3763		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3764,65		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3766		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3767		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3768		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3769		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3770		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3771,72		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3774		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3775		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3776,77		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	2	
R3778		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3779		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3780		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3781		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3782		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3783		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R3784		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3785		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3786		ERJ6GMYJ121	M.RESISTOR CH 1/10W 120	1	
R3787		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3788		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3789		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3791		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3793,94		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3795,96		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R3797		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3798		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3799		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3801		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3802-04		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	3	
R3805,06		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R3807		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3808		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3809		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3810		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3811		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3812		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3813,14		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3851		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3852		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3853-55		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	3	
R3856		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3857		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3858		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3859		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3860		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3861		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3901		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3903		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3904,05		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3906		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3907		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3909,10		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	2	
R3911-17		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	7	
R5001		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R5002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5003-05		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	3	
R5006		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R5007		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5008		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5009		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R5010		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5011		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R5012-14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R5015		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5016		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5017		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5018		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5019		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5020		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5021		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5022		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5023		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5024		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5025		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5026		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5027		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5028		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5029		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5030		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R5031		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5032		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5033-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R5036,37		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R5038		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5039		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5040		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5041		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R5042		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R5043		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R5044		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R5045		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5046-48		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R5049		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5050		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5051		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R5052		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5053		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5054		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5055,56		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R5057		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R5058		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5062,63		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R5064		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5065		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5066		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5067		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5068		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R5069		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5070		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5071		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5072		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R5073		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5074		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5503		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R5504		ERJ6GEYG114	M.RESISTOR CH 1/10W 110K	1	
R5505		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R5509,10		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R5511		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R5512,13		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R5514		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R5530		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8301		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8302		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8303,04		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8305,06		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R8307		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8308		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8309		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8310		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8311		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8312		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8313		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8314		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8315,16		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			SWITCHES		
SW3651		ESD14314	SWITCH	1	
SW3901		VSS0162	SWITCH	1	
SW3902		VSS0111	SWITCH	1	
			TRANSFORMERS		
T851		ELM7Q207A	TRANSFORMER	1	
			THERMISTORS		
TH3301		ERTD2FIK154S	THERMISTOR	1	
TH3701,02		ERTD2FHL102S	THERMISTOR	2	
			VARIABLE RESISTORS		
VR301		EVND1AA00B13	V.RESISTOR 1K	1	
VR302		EVND1AA00B52	V.RESISTOR 500	1	
VR303		EVN32CA00B52	V.RESISTOR 500	1	
VR801		EVND1AA00B14	V.RESISTOR 10K	1	
VR3001,02		EVN4LCA00B23	V.RESISTOR 2K	2	
VR3301		EVN4YCA00B13	V.RESISTOR 1K	1	
VR3302		EVNDRAA00B24	V.RESISTOR 20K	1	
VR3402,03		EVND4AA00B52	V.RESISTOR 500	2	
VR3602		EVN4YCA00B53	V.RESISTOR 5K	1	
VR3651		EVN4YCA00B24	V.RESISTOR 20K	1	
VR3702		EVN4YCA00B53	V.RESISTOR 5K	1	
VR3703-05		EVN4YCA00B23	V.RESISTOR 2K	3	
VR3706-09		EVN4YCA00B13	V.RESISTOR 1K	4	
VR3851		EVND4AA00B23	V.RESISTOR 2K	1	
VR5001		EVNDRAA00B14	V.RESISTOR 10K	1	
VR5002		EVND1AA00B54	V.RESISTOR 50K	1	
VR5003		EVND4AA00B24	V.RESISTOR 20K	1	
VR5004,05		EVN49CA00B52	V.RESISTOR 500	2	
VR5006		EVND1AA00B23	V.RESISTOR 2K	1	
VR5501		EVND1AA00B52	V.RESISTOR 500	1	
VR5503		EVN4YCA00B24	V.RESISTOR 20K	1	
VR8301		EVN4YCA00B52	V.RESISTOR 500	1	
VR8302		EVNDRAA00B13	V.RESISTOR 1K	1	
			CRYSTAL OSCILLATORS		
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3001		VSX0099	CRYSTAL OSCILLATOR	1	
X3301		VSX0316	CRYSTAL OSCILLATOR	1	
X3801		VSX0323	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VKC0369	HINGE	2	(FOR Y/C MAIN)
		VJF0368	PACK C.B.A. ANGLE	1	(FOR Y/C MAIN)
		VMX2001	SPACER	1	(FOR Y/C MAIN)
		VSC2908	SHIELD (TOP)	1	(FOR HQ PACK)
		VSC2909	SHIELD (MAIN)	1	(FOR HQ PACK)
		VSC2910	SHIELD (BOTTOM)	1	(FOR HQ PACK)
		VJF0368	PACK C.B.A. ANGLE	2	(FOR HQ PACK)
		VMZ1526	INSULATION SHEET	1	(FOR HQ PACK)
		VSC2928	SHIELD (TOP/BOTTOM)	2	(FOR CCD PACK)
		VSC2929	SHIELD (MAIN)	1	(FOR CCD PACK)
		VMZ1849	INSULATION SHEET	1	(FOR CCD PACK)
		VEJ1075	JACK PLATE	1	(FOR I/O PACK)
		VGT0319	SW KNOB	2	(FOR I/O PACK)
		VJF0748	SPACER	1	(FOR SUB I/O PACK)
		VJF0368	PACK C.B.A. ANGLE	2	(FOR SUB I/O PACK)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP03777B	LUMINANCE & CHROMINANCE		(NLA) NV-V8000EB
			MAIN C.B.A.		
			CAPACITORS		
C301		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C302-04		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C305		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C306		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C307		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C308		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C309		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C311		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C312		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C313		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C316		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C317		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C318		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C320		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C322		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C323		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C324		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C325		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C326		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C329		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C330		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C332		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C333		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C334		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C335		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C336		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C337		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C338,39		ECEA0JK220	E.CAPACITOR 6.3V 22U	2	
C341		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C342		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C344		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C345		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C346		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C348		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C349		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C801		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C802		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C803,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C805		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C806		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C807		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C808		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C810		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C811		ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C812		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C813		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C814		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C815		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C816		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C817		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C819		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C821		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C823		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C824		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C825		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C826		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C827		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C828		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C832		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C833		ECRHA020D41	TRIMMER	1	
C834		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C835-38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C860		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C861		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C862-64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C865		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3003-05		ECEA1CKN100	E.CAPACITOR 16V 10U	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3006,07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3008		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3009-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3013		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3014		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C3015		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3016		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3017,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3019		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3021-23		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3024		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3025		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3026		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3030-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3033		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3034		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3035		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3036		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3037		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3038,39		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C3040		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3041		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3201		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3202		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3203		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3204		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3205		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3206		ECEA1AU471	E.CAPACITOR 10V 470U	1	
C3207		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3208		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3209		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3210		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3211		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3212		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3213		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3214		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C3215		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3216		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3217		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3218		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3219		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3220-23		ECEA1CK220	E.CAPACITOR 16V 22U	4	
C3224		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C3225		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3226-28		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3229		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3230-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3233		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3234,35		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	2	
C3301		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3303		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3304		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3305		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3306		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3307		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3308,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3310,11		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C3312,13		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3314		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3315		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C3316		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3317		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3318		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3319		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3321		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3322		ECUM1E473ZFN	C.CAPACITOR CH 25V 0.047U	1	
C3323		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3324		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3325		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3401		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3402		ECEA1CK101	E.CAPACITOR 16V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3403,04		ECEA1CK220	E.CAPACITOR 16V 22U	2	
C3405		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3406		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3407		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3408		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3409-11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3412		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3413		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3414		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3415		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3416,17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3418		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3419		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3420		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3421-23		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3424		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3425		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3426		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3427,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3429		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3430		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3431-33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3434		ECEA1EK470	E.CAPACITOR 25V 47U	1	
C3435		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3436		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3437,38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3605		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3606		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3607		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3608		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3609		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3610		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3611		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C3612		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3613		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3614		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3616,17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3618		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3619		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3620		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3621		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3622		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C3623		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3624		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3625		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3626		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3627		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3651		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3653		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3655		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3656		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C3706		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3707		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3709		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3710,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3713		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3714,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3716		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3717		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3718		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C3719		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3721		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3722		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3723		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3724		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3726		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3727		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3728		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3729		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3733		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3734		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3736		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3737-40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3741		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3742		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3743		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3746		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3747,48		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3749		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3750-52		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3753		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3754		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3755		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3756,57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3758		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3759		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3760		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3762		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3763		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3764		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3765,66		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3767		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C3768		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C3771-73		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3777,78		ECEA1CK470	E.CAPACITOR 16V 47U	2	
C3781		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3782		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3783		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3784		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3785		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3789		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3790		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3799		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3801		ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C3802		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C3803		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C3804		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3805		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C3806-11		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	6	
C3812		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3813		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C3814		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3815,16		ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C3817-19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3820,21		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3822		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3823		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3824,25		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C3851		ECQB1H103KH	P.CAPACITOR 50V 0.01U	1	
C3852		ECQB1H332KH	P.CAPACITOR 50V 3300P	1	
C3853		ECQP1562JZ	P.CAPACITOR 100V 5600P	1	
C3854		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3855		ECQB1H272KH	P.CAPACITOR 50V 2700P	1	
C3856		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3857		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3858		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3859		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3860		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3903,04		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5002		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C5003		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5004		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C5005		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5006		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5007		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C5008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5009		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5010		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5012		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C5013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C5014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5015,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5017		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C5018-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5021		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C5022		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5023,24		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C5025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5026		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C5027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5030		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5032		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C5033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5035		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C5036		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C5037		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5038		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C5039		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5040		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5041		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C5042		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C5044		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5045		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5046		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C5047		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C5048		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C5049		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5050		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5051		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5052		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5053		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5054		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5501		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C5502-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C5507,08		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C5509		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5510		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C5511		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C5514		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8301,02		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8303		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8304,05		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8306		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C8307,08		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8309		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8310		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8311		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8312		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8313		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8314		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C8315		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
			DIODES		
D801		MA151K	DIODE	1	
D802		MA151WA	DIODE	1	
D3001		MA151K	DIODE	1	
D3002		MA151WK	DIODE	1	
D3003		MA721	DIODE	1	
D3004,05		MA151K	DIODE	2	
D3007		MA151WK	DIODE	1	
D3008-12		MA151K	DIODE	5	
D3201		MA151WK	DIODE	1	
D3301		MA151K	DIODE	1	
D3302		MA3091M	DIODE	1	
D3303		MA151K	DIODE	1	
D3401,02		1SS99	DIODE	2	
D3403		MA4100L	DIODE	1	
D3601		MA151WA	DIODE	1	
D3703,04		1SS99	DIODE	2	
D3705		MA4100L	DIODE	1	
D5001		MA151K	DIODE	1	
D8301		MA151K	DIODE	1	
D8303		MA151WK	DIODE	1	
			DELAY LINES		
DL801		VLD0147	DELAY LINE	1	
DL3701		VLD0177	DELAY LINE	1	
DL8301		VLD0089	DELAY LINE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			FILTERS		
FL301		ELB4L121	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0639	FILTER	1	
FL304		ELB4M022	FILTER	1	
FL801		VLF0299	FILTER	1	
FL802		ELB4S046	FILTER	1	
FL3001		VLF0413	FILTER	1	
FL3302		ELB4R049	FILTER	1	
FL3401,02		ELB4A010	FILTER	2	
FL3701		VLF0765	FILTER	1	
FL3702		VLF0766	FILTER	1	
FL3705		ELB4S041	FILTER	1	
FL3706-08		ELB4Q072	FILTER	3	
FL3801		ELB4R046	FILTER	1	
FL3802,03		VLF0523	FILTER	2	
FL3804,05		VLF0526	FILTER	2	
FL5001		ELB5A066	FILTER	1	
FL5002		ELB4K114	FILTER	1	
FL5003		ELB4R031	FILTER	1	
FL5004		ELB4K114	FILTER	1	
			INTEGRATED CIRCUITS		
IC301		VEFH07C	IC	1	
IC302		M52055FP	IC	1	
IC303		VEFH05BT	IC	1	
IC304		NJM2233BMA	IC	1	
IC801		VCR0284	IC	1	
IC802		AN607	IC	1	
IC2401		MC14066BF	IC	1	
IC3001		M52055FP	IC	1	
IC3002		BA7004	IC	1	
IC3003		AN6308S	IC	1	
IC3201		M52055FP	IC	1	
IC3202		VCR0281	IC	1	
IC3203		M51292FP	IC	1	
IC3204,05		TA7348P	IC	2	
IC3301		AN3495K	IC	1	
IC3302		MSM6871RS	IC	1	
IC3401		MST001MS	IC	1	
IC3402,03		MSM6965	IC	2	
IC3601		AN3372K	IC	1	
IC3701,02		M52055FP	IC	2	
IC3703		AN607	IC	1	
IC3704		AN3916	IC	1	
IC3705		CX22013	IC	1	
IC3706		AN608P	IC	1	
IC3707		AN607	IC	1	
IC3708		AN608P	IC	1	
IC3801,02		CXL1009P	IC	2	
IC3854		AN5421N	IC	1	
IC5001		M52054SP	IC	1	
IC5002		AN6308S	IC	1	
IC5501		M52079SP	IC	1	
			CONNECTOR		
J3906		VJS1470	CONNECTOR(FEMALE)	1	
			COILS		
L302		VLQEL06F101K	COIL 100UH	1	
L303		VLQEL05F680K	COIL 68UH	1	
L304		VLQEL05F560K	COIL 56UH	1	
L305-08		VLQEL05F101K	COIL 100UH	4	
L310		VLQEL05F220K	COIL 22UH	1	
L801-03		VLQEL05F101K	COIL 100UH	3	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F150K	COIL 15UH	1	
L809,10		VLQEL05F681K	COIL 680UH	2	
L811		VLQEL05F331K	COIL 330UH	1	
L812		VLQEL05F470K	COIL 47UH	1	
L814		VLQEL05F330J	COIL 33UH	1	
L852		VLQEL05F330K	COIL 33UH	1	
L853		VLQEL05F101K	COIL 100UH	1	
L3001		VLQEL05F101K	COIL 100UH	1	
L3002		VLP0083	COIL	1	
L3003-05		VLQEL05F101K	COIL 100UH	3	
L3006		VLP0083	COIL	1	
L3201,02		VLQEL05F101K	COIL 100UH	2	
L3301-03		VLQEL05F101K	COIL 100UH	3	
L3304		VLP0083	COIL	1	
L3401,02		VLQEL05F101K	COIL 100UH	2	
L3403		VLP0083	COIL	1	
L3404		VLQEL05F101K	COIL 100UH	1	
L3405,06		VLP0083	COIL	2	
L3407		VLQEL05F101K	COIL 100UH	1	
L3408,09		VLP0083	COIL	2	
L3410		VLQEL05F101K	COIL 100UH	1	
L3411		VLP0053	COIL	1	
L3601		VLQEL05F101K	COIL 100UH	1	
L3651		VLQEL05F101K	COIL 100UH	1	
L3652		VLQEL05F330K	COIL 33UH	1	
L3704,05		VLQEL05F101K	COIL 100UH	2	
L3713		VLQEL05F390K	COIL 39UH	1	
L3714		VLQEL05F101K	COIL 100UH	1	
L3716		VLQEL05F101K	COIL 100UH	1	
L3719,20		VLQEL05F8R2K	COIL 8.2UH	2	
L3801		VLP0053	COIL	1	
L3851		VLQEL05F101K	COIL 100UH	1	
L5001		VLQEL05F101K	COIL 100UH	1	
L5002		VLQEL05F181K	COIL 180UH	1	
L5003		VLQEL05F270J	COIL 27UH	1	
L5004,05		VLQEL05F5R6K	COIL 5.6UH	2	
L5006		VLQEL05F120K	COIL 12UH	1	
L5007		VLQEL05F101K	COIL 100UH	1	
L5008,09		VLQEL05F100K	COIL 10UH	2	
L5010		VLQ0188J220	COIL	1	
L5012,13		VLQEL05F101K	COIL 100UH	2	
L5014		VLQEL05F681K	COIL 680UH	1	
L5015		VLQEL05F151K	COIL 150UH	1	
L5016		VLQEL05F820K	COIL 82UH	1	
L5017		VLP0083	COIL	1	
L8301		VLQEL05F101K	COIL 100UH	1	
L8302,03		VLQEL05F150K	COIL 15UH	2	
L8304		VLQEL05F270K	COIL 27UH	1	
L8305		VLQEL05F151K	COIL 150UH	1	
L8306		VLQEL05F101K	COIL 100UH	1	
			CONNECTORS		
P501		VJS1743	CONNECTOR(FEMALE)	1	
P2004		VJS1744	CONNECTOR(FEMALE)	1	
P2005		VJS1745	CONNECTOR(FEMALE)	1	
P2006		VJS1736	CONNECTOR(FEMALE)	1	
P2804		VJS1234T	CONNECTOR(FEMALE)	1	
P3001		VJP1237T	CONNECTOR(MALE) 10P	1	
P3001		VJS1743	CONNECTOR(FEMALE)	1	
P3002		VJP1237T	CONNECTOR(MALE) 10P	1	
P3002		VJS1743	CONNECTOR(FEMALE)	1	
P3004		VJP1233T	CONNECTOR(MALE) 6P	1	
P3004		VJS1233T	CONNECTO(FEMALE)	1	
P3006		VJP1229T	CONNECTOR(MALE) 2P	1	
P3006		VJS1735	CONNECTOR(FEMALE)	1	
P3007		VJP1232T	CONNECTOR(MALE) 5P	1	
P3007		VJS1738	CONNECTOR(FEMALE)	1	
P3010		VJP1932T	CONNECTOR(MALE)	1	
P3010		VJS1932T	CONNECTOR(FEMALE)	1	
P3011		VJP1231T	CONNECTOR(MALE) 4P	1	
P3011		VJS1737	CONNECTOR(FEMALE)	1	
P3012		VJP1393T	CONNECTOR(MALE) 13P	1	
P3012		VJS2381	CONNECTOR(FEMALE)	1	
P3015		VJP1230T	CONNECTOR(MALE) 3P	1	
P3015		VJS1736	CONNECTOR(FEMALE)	1	
P3101		VJP1234T	CONNECTOR(MALE) 7P	1	
P3101		VJS1234T	CONNECTOR(FEMALE)	1	
P3201		VJP1233T	CONNECTOR(MALE) 6P	1	
P3201		VJP1511T	CONNECTOR(MALE)	1	
P3201		VJS1744	CONNECTOR(FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P3202		VJP1239T	CONNECTOR(MALE) 12P	1	
P3202		VJS1745	CONNECTOR(FEMALE)	1	
P3203		VJP1230T	CONNECTOR(MALE) 3P	1	
P3203		VJS1736	CONNECTOR(FEMALE)	1	
P3210		VJS1233R	CONNECTOR(FEMALE)	1	
P3301		VJS2651B008Z	CONNECTOR(FEMALE)	1	
P3302		VJS2651B006Z	CONNECTOR(FEMALE)	1	
P3501		VJS2381	CONNECTOR(FEMALE)	1	
P3502		VJS1737	CONNECTOR(FEMALE)	1	
P3503		VJS1232T	CONNECTOR(FEMALE)	1	
P3701		VJS1233R	CONNECTOR(FEMALE)	1	
P3901		VJP1245T	CONNECTOR(MALE) 5P	1	
P3901		VJS1232T	CONNECTOR(FEMALE)	1	
P3902		VJP1248T	CONNECTOR(MALE) 8P	1	
P3902		VJS1235T	CONNECTOR(FEMALE)	1	
P3903		VJS2651B007Z	CONNECTOR(FEMALE)	1	
P3904		VJS2651B005Z	CONNECTOR(FEMALE)	1	
P4007		VJS1235T	CONNECTOR(FEMALE)	1	
P4011		VJS1736	CONNECTOR(FEMALE)	1	
P6006		VJS1233T	CONNECTOR(FEMALE)	1	
P6815		VJS1738	CONNECTOR(FEMALE)	1	
P6816		VJS1743	CONNECTOR(FEMALE)	1	
P7520		VJS1735	CONNECTOR(FEMALE)	1	
P7941		VJS1233T	CONNECTOR(FEMALE)	1	
P9001		VJS1239T	CONNECTOR(FEMALE)	1	
P9002		VJS1235T	CONNECTOR(FEMALE)	1	
			CONNECTORS		
PJ3701		VJP2775	CONNECTOR(MALE)	1	
PJ3702		VJP2778	CONNECTOR(MALE)	1	
			PACK PINS		
PK301,02		VJR0290	PACK PIN	2	
PK303		VJR0634	PACK PIN	1	
PK3004		VJP1855	PACK PIN	1	
PK3005		VJP1865	PACK PIN	1	
PK3007		VJP1863	PACK PIN	1	
PK3201		VJS1863	PACK PIN	1	
PK3401		VJR0279	PACK PIN	1	
PK3801		VJS2775	PACK PIN	1	
PK3802		VJS2778	PACK PIN	1	
PK3901		VJR0452	PACK PIN	1	
PK5001		VJS1855	PACK PIN	1	
PK5002		VJS1865	PACK PIN	1	
			TRANSISTORS		
Q301		2SD601	TRANSISTOR CHIP	1	
Q302		2SC2295	TRANSISTOR	1	
Q801		2SB709	TRANSISTOR CHIP	1	
Q802		2SC2295	TRANSISTOR	1	
Q803,04		2SD601	TRANSISTOR CHIP	2	
Q2401		2SB704	TRANSISTOR	1	
Q3001		2SB709	TRANSISTOR CHIP	1	
Q3002		2SD602	TRANSISTOR CHIP	1	
Q3004		2SC2295	TRANSISTOR	1	
Q3005		2SD602	TRANSISTOR CHIP	1	
Q3006		2SD602	TRANSISTOR	1	
Q3201		2SC2295	TRANSISTOR	1	
Q3202		2SB709	TRANSISTOR CHIP	1	
Q3203		2SD601	TRANSISTOR CHIP	1	
Q3301-04		2SC2295	TRANSISTOR	4	
Q3401-03		2SB709	TRANSISTOR CHIP	3	
Q3404,05		2SD601	TRANSISTOR CHIP	2	
Q3406		2SB709	TRANSISTOR CHIP	1	
Q3407		2SD601	TRANSISTOR CHIP	1	
Q3408		2SB709	TRANSISTOR CHIP	1	
Q3409		2SD601	TRANSISTOR CHIP	1	
Q3410		2SB709	TRANSISTOR CHIP	1	
Q3411,12		2SD601	TRANSISTOR CHIP	2	
Q3413		2SB709	TRANSISTOR CHIP	1	
Q3414-16		2SD601	TRANSISTOR CHIP	3	
Q3417		2SB709	TRANSISTOR CHIP	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q3418-20		2SD601	TRANSISTOR CHIP	3	
Q3601		2SD601	TRANSISTOR CHIP	1	
Q3602,03		2SB709	TRANSISTOR CHIP	2	
Q3701		2SC2295	TRANSISTOR	1	
Q3702		2SB709	TRANSISTOR CHIP	1	
Q3703		2SD601	TRANSISTOR CHIP	1	
Q3704		2SC2295	TRANSISTOR	1	
Q3705		2SB709	TRANSISTOR CHIP	1	
Q3706,07		2SC2295	TRANSISTOR	2	
Q3708		2SB709	TRANSISTOR CHIP	1	
Q3709		2SC2295	TRANSISTOR	1	
Q3710		2SD601	TRANSISTOR CHIP	1	
Q3711		2SC2295	TRANSISTOR	1	
Q3712		2SB709	TRANSISTOR CHIP	1	
Q3713,14		2SC2295	TRANSISTOR	2	
Q3715		2SB709	TRANSISTOR CHIP	1	
Q3716		2SC2295	TRANSISTOR	1	
Q3717		2SA1022	TRANSISTOR CHIP	1	
Q3718		2SC2295	TRANSISTOR	1	
Q3719-21		2SD601	TRANSISTOR CHIP	3	
Q3722		2SC2295	TRANSISTOR	1	
Q3723		2SB709	TRANSISTOR CHIP	1	
Q3724		2SC2295	TRANSISTOR	1	
Q3725,26		2SD601	TRANSISTOR CHIP	2	
Q3728		2SC2295	TRANSISTOR	1	
Q3729-31		2SD601	TRANSISTOR CHIP	3	
Q3733,34		2SD601	TRANSISTOR CHIP	2	
Q3801		2SC2295	TRANSISTOR	1	
Q3802-04		2SB709	TRANSISTOR CHIP	3	
Q5001		2SC2295	TRANSISTOR	1	
Q5002,03		2SD601	TRANSISTOR CHIP	2	
Q5004,05		2SC2295	TRANSISTOR	2	
Q5006		2SB709	TRANSISTOR CHIP	1	
Q5007-13		2SC2295	TRANSISTOR	7	
Q5014		2SB709	TRANSISTOR CHIP	1	
Q5015		2SC2295	TRANSISTOR	1	
Q5017,18		2SD601	TRANSISTOR CHIP	2	
Q5501		2SB709	TRANSISTOR CHIP	1	
Q8301		2SD601	TRANSISTOR CHIP	1	
Q8302		2SC2295	TRANSISTOR	1	
			COMBINATION PARTS		
QR301-04		UN2213	TRANSISTOR-RESISTOR	4	
QR305		UN2110	TRANSISTOR-RESISTOR	1	
QR310,11		UN2213	TRANSISTOR-RESISTOR	2	
QR801-05		UN2213	TRANSISTOR-RESISTOR	5	
QR806		UN2113	TRANSISTOR-RESISTOR	1	
QR2401		UN2213	TRANSISTOR-RESISTOR	1	
QR3001,02		UN2213	TRANSISTOR-RESISTOR	2	
QR3003		UN2212	TRANSISTOR-RESISTOR	1	
QR3004,05		UN2213	TRANSISTOR-RESISTOR	2	
QR3006		UN2111	TRANSISTOR-RESISTOR	1	
QR3007		DTC363EK	TRANSISTOR-RESISTOR	1	
QR3008-10		UN2213	TRANSISTOR-RESISTOR	3	
QR3012		UN2213	TRANSISTOR-RESISTOR	1	
QR3201		UN2213	TRANSISTOR-RESISTOR	1	
QR3207,08		UN2213	TRANSISTOR-RESISTOR	2	
QR3301-03		UN2213	TRANSISTOR-RESISTOR	3	
QR3601-03		UN2213	TRANSISTOR-RESISTOR	3	
QR3851		UN2212	TRANSISTOR-RESISTOR	1	
QR5001-04		DTC363EK	TRANSISTOR-RESISTOR	4	
QR5006		UN2213	TRANSISTOR-RESISTOR	1	
QR5008		UN211D	TRANSISTOR-RESISTOR	1	
QR5009		UN2211	TRANSISTOR-RESISTOR	1	
QR5010		DTC114EK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R302		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R306		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R307		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R309		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R310		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R312		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R313		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R314		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R315		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R316		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R317		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R318,19		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R320,21		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R322		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R323,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R325		ERJ6GEYJ911	M.RESISTOR CH 1/10W 910	1	
R326		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R327		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R328		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R330		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R331		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R332		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R337		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R338		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R339		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R340		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R341		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R345		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R801		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R802		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R803		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R808		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R809,10		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	2	
R811		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R812		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R813		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R814		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R815		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R816		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R817		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R818		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R820		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R821		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R822		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R823,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R825		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R826		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R827		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R841		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R857		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R858		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R859,60		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R861		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R862		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R863		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R864		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2401		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2402		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2403,04		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R3001,02		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3003,04		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3005		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3006		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3007		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3008		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3009		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3010,11		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	2	
R3012		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3013		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3014		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3016		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3017		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3018		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3019		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3021		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3022,23		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3024		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3025		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3026		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3027		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3028		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3029		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3030		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3031		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3032		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3033		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3034		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3035		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3036		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3201-03		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R3204		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3205-07		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R3208		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3209		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3210		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3211		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3212		ERJ6GEYJ202	M.RESISTOR CH 1/10W 2K	1	
R3213		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3214		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3215		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3216		ERJ6GEYJ202	M.RESISTOR CH 1/10W 2K	1	
R3221		ERD2FCG220	C.RESISTOR 2W 22	1	<!>
R3222		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3301		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3302		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3303		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3304		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3305		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3306		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3307		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3308		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3309		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3310		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3311		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3312		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3313		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3314		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3315		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3316		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3317		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3318		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3319		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3320		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3321		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3349,50		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3401		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3403,04		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3405		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3406		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3407		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3408		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3409,10		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3411		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3412		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3413,14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3415		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3416		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3417		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3418		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3419		ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	1	
R3420		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3421		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3422		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3423		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3424		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3425,26		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3427		ERJ6GEYJ432	M.RESISTOR CH 1/10W 4.3K	1	
R3428		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3429		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3430,31		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3432		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3433		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3434		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3435		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3436		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3437		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3438		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3439		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3440		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3441		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3442		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3443		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3601		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3602		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3603		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3605		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3606,07		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	2	
R3609		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3610		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R3611		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R3612		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3613		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3614		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R3615		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3616-19		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	4	
R3620,21		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3639		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3642		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R3651		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3652		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3653,54		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3655		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3706		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3707		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3708		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3709		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3710		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3712		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3713		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3714		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3715		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3716		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3717		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R3718		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3719		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3720		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3721		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3722		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3723		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3724		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3725		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3727		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3728		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3729		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3730		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3731		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3732		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3737		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3738		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3739		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3740		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3741		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3742		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3743		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3744		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3745		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3746		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3747		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3748		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3749		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3750		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3751,52		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3753		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R3754		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3755		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3756		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3757		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3758		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3759,60		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3761		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3763		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3764,65		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3766		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3767		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3768		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3769		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3770		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3771,72		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3774		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3775		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3776,77		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	2	
R3778		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3779		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3780		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3781		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3782		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3783		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R3784		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3785		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3786		ERJ6GMYJ121	M.RESISTOR CH 1/10W 120	1	
R3787		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3788		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3789		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3791		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3793,94		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3795,96		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R3797		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3798		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3799		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3801		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3802-04		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	3	
R3805,06		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R3807		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3808		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3809		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3810		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3811		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3812		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3813,14		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3851		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3852		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3853-55		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	3	
R3856		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3857		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3858		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3859		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3860		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3861		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3901		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3902		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3904,05		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3906		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3908		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3909,10		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	2	
R3911-17		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	7	
R5001		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R5002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5003-05		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	3	
R5006		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R5007		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5008		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5009		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5010		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5011		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R5012-14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R5015		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5016		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5017		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5018		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5019		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5020		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5021		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5022		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R5023		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5024		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5025		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5026		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5027		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5028		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5029		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5030		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R5031		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5032		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5033-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R5036,37		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R5038		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5039		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5040		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5041		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R5042		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R5043		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R5044		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R5045		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5046-48		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R5049		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5050		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5051		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R5052		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5053		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5054		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5055,56		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R5057		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R5058		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5062,63		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R5064		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5065		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5066		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5067		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5068		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R5069		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5070		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5071		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5072		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R5073		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5074		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5503		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R5504		ERJ6GEYG114	M.RESISTOR CH 1/10W 110K	1	
R5505		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R5509,10		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R5511		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R5512,13		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R5514		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R5530		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8301		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8302		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8303,04		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8305,06		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R8307		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8308		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8309		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8310		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8311		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8312		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8313		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8314		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8315,16		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
			SWITCHES		
SW3651		ESD14314	SWITCH	1	
SW3901		VSS0162	SWITCH	1	
SW3902		VSS0111	SWITCH	1	
			THERMISTORS		
TH3301		ERTD2FIK154S	THERMISTOR	1	
TH3701,02		ERTD2FHL102S	THERMISTOR	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			VARIABLE RESISTORS		
VR301		EVND1AA00B13	V.RESISTOR 1K	1	
VR302		EVND1AA00B52	V.RESISTOR 500	1	
VR303		EVN32CA00B52	V.RESISTOR 500	1	
VR801		EVND1AA00B14	V.RESISTOR 10K	1	
VR3001,02		EVN4LCA00B23	V.RESISTOR 2K	2	
VR3301		EVN4YCA00B13	V.RESISTOR 1K	1	
VR3302		EVNDRAA00B24	V.RESISTOR 20K	1	
VR3402-03		EVND4AA00B52	V.RESISTOR 500	2	
VR3602		EVN4YCA00B53	V.RESISTOR 5K	1	
VR3651		EVN4YCA00B24	V.RESISTOR 20K	1	
VR3702		EVN4YCA00B53	V.RESISTOR 5K	1	
VR3703-05		EVN4YCA00B23	V.RESISTOR 2K	3	
VR3706-09		EVN4YCA00B13	V.RESISTOR 1K	4	
VR3851		EVND4AA00B23	V.RESISTOR 2K	1	
VR5001		EVNDRAA00B14	V.RESISTOR 10K	1	
VR5002		EVND1AA00B54	V.RESISTOR 50K	1	
VR5003		EVND4AA00B24	V.RESISTOR 20K	1	
VR5004,05		EVN49CA00B52	V.RESISTOR 500	2	
VR5006		EVND1AA00B23	V.RESISTOR 2K	1	
VR5501		EVND1AA00B52	V.RESISTOR 500	1	
VR5503		EVN4YCA00B24	V.RESISTOR 20K	1	
VR8301		EVN4YCA00B52	V.RESISTOR 500	1	
VR8302		EVNDRAA00B13	V.RESISTOR 1K	1	
			CRYSTAL OSCILLATORS		
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3001		VSX0099	CRYSTAL OSCILLATOR	1	
X3301		VSX0316	CRYSTAL OSCILLATOR	1	
X3801		VSX0323	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VKC0369	HINGE	2	(FOR Y/C MAIN)
		VJF0368	PACK C.B.A. ANGLE	1	(FOR Y/C MAIN)
		VMX2001	SPACER	1	(FOR Y/C MAIN)
		VSC2908	SHIELD(TOP)	1	(FOR HQ PACK)
		VSC2909	SHIELD(MAIN)	1	(FOR HQ PACK)
		VSC2910	SHIELD(BOTTOM)	1	(FOR HQ PACK)
		VJF0368	PACK C.B.A. ANGLE	2	(FOR HQ PACK)
		VMZ1526	INSULATION SHEET	1	(FOR HQ PACK)
		VSC2928	SHIELD(TOP/BOTOOM)	2	(FOR CCD PACK)
		VSC2929	SHIELD(MAIN)	1	(FOR CCD PACK)
		VMZ1849	INSULATION SHEET	1	(FOR CCD PACK)
		VEJ1075	JACK PLATE	1	(FOR I/O PACK)
		VGT0319	SW KNOB	2	(FOR I/O PACK)
		VJF0748	SPACER	1	(FOR SUB I/O PACK)
		VJF0368	PACK C.B.A. ANGLE	2	(FOR SUB I/O PACK)
	■	VEP03777C	LUMINANCE & CHROMINANCE		(NLA) NV-V8000B
			MAIN C.B.A.		
			CAPACITORS		
C301		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C302-04		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C305		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C306		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C307		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C308		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C309		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C311		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C312		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C313		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C316		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C317		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C318		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C320		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C322		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C323		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C324		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C325		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C326		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C329		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C330		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C332		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C333		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C334		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C335		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C336		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C337		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C338,39		ECEA0JK220	E.CAPACITOR 6.3V 22U	2	
C341		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C342		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C344		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C345		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C346		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C348		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C349		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C801		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C802		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C803,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C805		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C806		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C807		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C808		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C810		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C811		ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C812		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C813		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C814		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C815		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C816		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C817		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C819		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C821		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C823		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C824		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C825		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C826		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C827		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C828		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C832		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C833		ECRHA020D41	TRIMMER	1	
C834		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C835-38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C860		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C861		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C862-64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C865		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3003-05		ECEA1CKN100	E.CAPACITOR 16V 10U	3	
C3006,07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3008		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3009-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3013		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3014		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C3015		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3016		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3017,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3019		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3021-23		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3024		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3025		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3026		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3030-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3033		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3034		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3035		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3036		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3037		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3038,39		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C3040		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3041		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3201		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3202		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3203		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3204		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3205		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3206		ECEA1AU471	E.CAPACITOR 10V 470U	1	
C3207		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3208		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3209		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3210		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3211		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3212		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3213		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3214		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C3215		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3216		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3217		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3218		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3219		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3220-23		ECEA1CK220	E.CAPACITOR 16V 22U	4	
C3224		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C3225		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3226-28		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3229		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3230-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3233		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3234,35		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	2	
C3301		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3303		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3304		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3305		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3306		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3307		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3308,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3310,11		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C3312,13		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3314		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3315		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C3316		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3317		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3318		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3319		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3321		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3322		ECUM1E473ZFN	C.CAPACITOR CH 25V 0.047U	1	
C3323		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3324		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3325		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3401		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3402		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3403,04		ECEA1CK220	E.CAPACITOR 16V 22U	2	
C3405		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3406		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3407		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3408		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3409-11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3412		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3413		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3414		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3415		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3416,17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3418		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3419		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3420		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3421-23		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3424		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3425		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3426		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3427,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3429		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3430		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3431-33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3434		ECEA1EK470	E.CAPACITOR 25V 47U	1	
C3435		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3436		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3437,38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3605		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3606		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3607		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3608		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3609		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3610		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3611		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C3612		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3613		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3614		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3616,17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3618		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3619		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3620		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C3621		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3622		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C3623		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3624		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3625		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3626		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3627		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3651		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3653		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C3655		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3656		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C3706		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3707		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3709		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3710,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3713		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3714,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3716		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3717		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3718		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C3719		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3721		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3722		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3723		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3724		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3726		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3727		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3728		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3729		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3733		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3734		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3736		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3737-40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3741		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3742		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3743		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3746		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3747,48		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3749		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3750-52		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3753		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3754		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3755		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3756,57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3758		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3759		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3760		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3762		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3763		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3764		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3765,66		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3767		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C3768		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C3771-73		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3777,78		ECEA1CK470	E.CAPACITOR 16V 47U	2	
C3781		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3782		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3783		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3784		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3785		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3789		ECEA1AKN470	E.CAPACITOR 10V 47U	1	
C3790		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C3799		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3801		ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C3802		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C3803		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C3804		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3805		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C3806-11		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	6	
C3812		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3813		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C3814		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3815,16		ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C3817-19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3820,21		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3822		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3823		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3824,25		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C3851		ECQB1H103KH	P.CAPACITOR 50V 0.01U	1	
C3852		ECQB1H332KH	P.CAPACITOR 50V 3300P	1	
C3853		ECQP1562JZ	P.CAPACITOR 100V 5600P	1	
C3854		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C3855		ECQB1H272KH	P.CAPACITOR 50V 2700P	1	
C3856		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3857		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3858		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C3859		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3860		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3903,04		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5002		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C5003		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5004		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C5005		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5006		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5007		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C5008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5009		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5010		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5012		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C5013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C5014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5015,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5017		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C5018-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5021		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C5022		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5023,24		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C5025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5026		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C5027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5030		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5032		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C5033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5035		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C5036		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C5037		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5038		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C5039		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5040		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5041		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C5042		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C5044		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C5045		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5046		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C5047		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C5048		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C5049		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5050		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5051		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5052		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5053		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C5054		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5501		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C5502-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C5507,08		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C5509		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5510		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C5511		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C5514		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8301,02		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8303		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8304,05		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8306		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C8307,08		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8309		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8310		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8311		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8312		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8313		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8314		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C8315		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
			DIODES		
D801		MA151K	DIODE	1	
D802		MA151WA	DIODE	1	
D3001		MA151K	DIODE	1	
D3002		MA151WK	DIODE	1	
D3003		MA721	DIODE	1	
D3004,05		MA151K	DIODE	2	
D3007		MA151WK	DIODE	1	
D3008-12		MA151K	DIODE	5	
D3201		MA151WK	DIODE	1	
D3301		MA151K	DIODE	1	
D3302		MA3091M	DIODE	1	
D3303		MA151K	DIODE	1	
D3401,02		1SS99	DIODE	2	
D3403		MA4100L	DIODE	1	
D3601		MA151WA	DIODE	1	
D3703,04		1SS99	DIODE	2	
D3705		MA4100L	DIODE	1	
D5001		MA151K	DIODE	1	
D8301		MA151K	DIODE	1	
D8303		MA151WK	DIODE	1	
			DELAY LINES		
DL801		VLD0147	DELAY LINE	1	
DL3701		VLD0177	DELAY LINE	1	
DL8301		VLD0089	DELAY LINE	1	
			FILTERS		
FL301		ELB4L121	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0639	FILTER	1	
FL304		ELB4M022	FILTER	1	
FL801		VLF0299	FILTER	1	
FL802		ELB4S046	FILTER	1	
FL3001		VLF0413	FILTER	1	
FL3302		ELB4R049	FILTER	1	
FL3401,02		ELB4A010	FILTER	2	
FL3701		VLF0765	FILTER	1	
FL3702		VLF0766	FILTER	1	
FL3705		ELB4S041	FILTER	1	
FL3706-08		ELB4Q072	FILTER	3	
FL3801		ELB4R046	FILTER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
FL3802,03		VLF0523	FILTER	2	
FL3804,05		VLF0526	FILTER	2	
FL5001		ELB5A066	FILTER	1	
FL5002		ELB4K114	FILTER	1	
FL5003		ELB4R031	FILTER	1	
FL5004		ELB4K114	FILTER	1	
			INTEGRATED CIRCUITS		
IC301		VEFH07C	IC	1	
IC302		M52055FP	IC	1	
IC303		VEFH05BT	IC	1	
IC304		NJM2233BMA	IC	1	
IC801		VCR0284	IC	1	
IC802		AN607	IC	1	
IC2401		MC14066BF	IC	1	
IC3001		M52055FP	IC	1	
IC3002		BA7004	IC	1	
IC3003		AN6308S	IC	1	
IC3201		M52055FP	IC	1	
IC3202		VCR0281	IC	1	
IC3203		M51292FP	IC	1	
IC3204,05		TA7348P	IC	2	
IC3301		AN3495K	IC	1	
IC3302		MSM6871RS	IC	1	
IC3401		MST001MS	IC	1	
IC3402,03		MSM6965	IC	2	
IC3601		AN3372K	IC	1	
IC3701,02		M52055FP	IC	2	
IC3703		AN607	IC	1	
IC3704		AN3916	IC	1	
IC3705		CX22013	IC	1	
IC3706		AN608P	IC	1	
IC3707		AN607	IC	1	
IC3708		AN608P	IC	1	
IC3801,02		CXL1009P	IC	2	
IC3854		AN5421N	IC	1	
IC5001		M52054SP	IC	1	
IC5002		AN6308S	IC	1	
IC5501		M52079SP	IC	1	
			CONNECTORS		
J3906		VJS1470	CONNECTOR(FEMALE)	1	
			COILS		
L302		VLQEL06F101K	COIL 100UH	1	
L303		VLQEL05F680K	COIL 68UH	1	
L304		VLQEL05F560K	COIL 56UH	1	
L305-08		VLQEL05F101K	COIL 100UH	4	
L310		VLQEL05F220K	COIL 22UH	1	
L801-03		VLQEL05F101K	COIL 100UH	3	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F150K	COIL 15UH	1	
L809,10		VLQEL05F681K	COIL 680UH	2	
L811		VLQEL05F331K	COIL 330UH	1	
L812		VLQEL05F470K	COIL 47UH	1	
L814		VLQEL05F330J	COIL 33UH	1	
L852		VLQEL05F330K	COIL 33UH	1	
L853		VLQEL05F101K	COIL 100UH	1	
L3001		VLQEL05F101K	COIL 100UH	1	
L3002		VLP0083	COIL	1	
L3003-05		VLQEL05F101K	COIL 100UH	3	
L3006		VLP0083	COIL	1	
L3201,02		VLQEL05F101K	COIL 100UH	2	
L3301-03		VLQEL05F101K	COIL 100UH	3	
L3304		VLP0083	COIL	1	
L3401,02		VLQEL05F101K	COIL 100UH	2	
L3403		VLP0083	COIL	1	
L3404		VLQEL05F101K	COIL 100UH	1	
L3405,06		VLP0083	COIL	2	
L3407		VLQEL05F101K	COIL 100UH	1	
L3408,09		VLP0083	COIL	2	
L3410		VLQEL05F101K	COIL 100UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L3411		VLP0053	COIL	1	
L3601		VLQEL05F101K	COIL 100UH	1	
L3651		VLQEL05F101K	COIL 100UH	1	
L3652		VLQEL05F330K	COIL 33UH	1	
L3704,05		VLQEL05F101K	COIL 100UH	2	
L3713		VLQEL05F390K	COIL 39UH	1	
L3714		VLQEL05F101K	COIL 100UH	1	
L3716		VLQEL05F101K	COIL 100UH	1	
L3719,20		VLQEL05F8R2K	COIL 8.2UH	2	
L3801		VLP0053	COIL	1	
L3851		VLQEL05F101K	COIL 100UH	1	
L5001		VLQEL05F101K	COIL 100UH	1	
L5002		VLQEL05F181K	COIL 180UH	1	
L5003		VLQEL05F270J	COIL 27UH	1	
L5004,05		VLQEL05F5R6K	COIL 5.6UH	2	
L5006		VLQEL05F120K	COIL 12UH	1	
L5007		VLQEL05F101K	COIL 100UH	1	
L5008,09		VLQEL05F100K	COIL 10UH	2	
L5010		VLQ0188J220	COIL	1	
L5012,13		VLQEL05F101K	COIL 100UH	2	
L5014		VLQEL05F681K	COIL 680UH	1	
L5015		VLQEL05F151K	COIL 150UH	1	
L5016		VLQEL05F820K	COIL 82UH	1	
L5017		VLP0083	COIL	1	
L8301		VLQEL05F101K	COIL 100UH	1	
L8302,03		VLQEL05F150K	COIL 15UH	2	
L8304		VLQEL05F270K	COIL 27UH	1	
L8305		VLQEL05F151K	COIL 150UH	1	
L8306		VLQEL05F101K	COIL 100UH	1	
			CONNECTORS		
P501		VJS1743	CONNECTOR(FEMALE)	1	
P2004		VJS1744	CONNECTOR(FEMALE)	1	
P2005		VJS1745	CONNECTOR(FEMALE)	1	
P2006		VJS1736	CONNECTOR(FEMALE)	1	
P2804		VJS1234T	CONNECTOR(FEMALE)	1	
P3001		VJP1237T	CONNECTOR(MALE) 10P	1	
P3001		VJS1743	CONNECTOR(FEMALE)	1	
P3002		VJP1237T	CONNECTOR(MALE) 10P	1	
P3002		VJS1743	CONNECTOR(FEMALE)	1	
P3004		VJP1233T	CONNECTOR(MALE) 6P	1	
P3004		VJS1233T	CONNECTOR(FEMALE)	1	
P3007		VJP1232T	CONNECTOR(MALE) 5P	1	
P3007		VJS1738	CONNECTOR(FEMALE)	1	
P3010		VJP1932T	CONNECTOR(MALE)	1	
P3010		VJS1932T	CONNECTOR(FEMALE)	1	
P3011		VJP1231T	CONNECTOR(MALE) 4P	1	
P3011		VJS1737	CONNECTOR(FEMALE)	1	
P3012		VJP1393T	CONNECTOR(MALE) 13P	1	
P3012		VJS2381	CONNECTOR(FEMALE)	1	
P3015		VJP1230T	CONNECTOR(MALE) 3P	1	
P3015		VJS1736	CONNECTOR(FEMALE)	1	
P3101		VJP1234T	CONNECTOR(MALE) 7P	1	
P3101		VJS1234T	CONNECTOR(FEMALE)	1	
P3201		VJP1233T	CONNECTOR(MALE) 6P	1	
P3201		VJP1511T	CONNECTOR(MALE)	1	
P3201		VJS1744	CONNECTOR(FEMALE)	1	
P3202		VJP1239T	CONNECTOR(MALE) 12P	1	
P3202		VJS1745	CONNECTOR(FEMALE)	1	
P3203		VJP1230T	CONNECTOR(MALE) 3P	1	
P3203		VJS1736	CONNECTOR(FEMALE)	1	
P3210		VJS1233R	CONNECTOR(FEMALE)	1	
P3301		VJS2651B008Z	CONNECTOR(FEMALE)	1	
P3302		VJS2651B006Z	CONNECTOR(FEMALE)	1	
P3501		VJS2381	CONNECTOR(FEMALE)	1	
P3502		VJS1737	CONNECTOR(FEMALE)	1	
P3503		VJS1232T	CONNECTOR(FEMALE)	1	
P3701		VJS1233R	CONNECTOR(FEMALE)	1	
P3901		VJP1245T	CONNECTOR(MALE) 5P	1	
P3901		VJS1232T	CONNECTOR(FEMALE)	1	
P3902		VJP1248T	CONNECTOR(MALE) 8P	1	
P3902		VJS1235T	CONNECTOR(FEMALE)	1	
P3903		VJS2651B007Z	CONNECTOR(FEMALE)	1	
P3904		VJS2651B005Z	CONNECTOR(FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P4007		VJS1235T	CONNECTOR(FEMALE)	1	
P4011		VJS1736	CONNECTOR(FEMALE)	1	
P6006		VJS1233T	CONNECTOR(FEMALE)	1	
P6815		VJS1738	CONNECTOR(FEMALE)	1	
P6816		VJS1743	CONNECTOR(FEMALE)	1	
P7941		VJS1233T	CONNECTOR(FEMALE)	1	
P9001		VJS1239T	CONNECTOR(FEMALE)	1	
P9002		VJS1235T	CONNECTOR(FEMALE)	1	
			CONNECTORS		
PJ3701		VJP2775	CONNECTOR(MALE)	1	
PJ3702		VJP2778	CONNECTOR(MALE)	1	
			PACK PINS		
PK301,02		VJR0290	PACK PIN	2	
PK303		VJR0634	PACK PIN	1	
PK3004		VJP1855	PACK PIN	1	
PK3005		VJP1865	PACK PIN	1	
PK3007		VJP1863	PACK PIN	1	
PK3201		VJS1863	PACK PIN	1	
PK3401		VJR0279	PACK PIN	1	
PK3801		VJS2775	PACK PIN	1	
PK3802		VJS2778	PACK PIN	1	
PK3901		VJR0452	PACK PIN	1	
PK5001		VJS1855	PACK PIN	1	
PK5002		VJS1865	PACK PIN	1	
			TRANSISTORS		
Q301		2SD601	TRANSISTOR CHIP	1	
Q302		2SC2295	TRANSISTOR	1	
Q801		2SB709	TRANSISTOR CHIP	1	
Q802		2SC2295	TRANSISTOR	1	
Q803,04		2SD601	TRANSISTOR CHIP	2	
Q2401		2SB709	TRANSISTOR	1	
Q3001		2SB709	TRANSISTOR CHIP	1	
Q3002		2SD602	TRANSISTOR CHIP	1	
Q3004		2SC2295	TRANSISTOR	1	
Q3005		2SD602	TRANSISTOR CHIP	1	
Q3006		2SD602	TRANSISTOR	1	
Q3201		2SC2295	TRANSISTOR	1	
Q3202		2SB709	TRANSISTOR CHIP	1	
Q3203		2SD601	TRANSISTOR CHIP	1	
Q3301-04		2SC2295	TRANSISTOR	4	
Q3401-03		2SB709	TRANSISTOR CHIP	3	
Q3404,05		2SD601	TRANSISTOR CHIP	2	
Q3406		2SB709	TRANSISTOR CHIP	1	
Q3407		2SD601	TRANSISTOR CHIP	1	
Q3408		2SB709	TRANSISTOR CHIP	1	
Q3409		2SD601	TRANSISTOR CHIP	1	
Q3410		2SB709	TRANSISTOR CHIP	1	
Q3411,12		2SD601	TRANSISTOR CHIP	2	
Q3413		2SB709	TRANSISTOR CHIP	1	
Q3414-16		2SD601	TRANSISTOR CHIP	3	
Q3417		2SB709	TRANSISTOR CHIP	1	
Q3418-20		2SD601	TRANSISTOR CHIP	3	
Q3601		2SD601	TRANSISTOR CHIP	1	
Q3602,03		2SB709	TRANSISTOR CHIP	2	
Q3701		2SC2295	TRANSISTOR	1	
Q3702		2SB709	TRANSISTOR CHIP	1	
Q3703		2SD601	TRANSISTOR CHIP	1	
Q3704		2SC2295	TRANSISTOR	1	
Q3705		2SB709	TRANSISTOR CHIP	1	
Q3706,07		2SC2295	TRANSISTOR	2	
Q3708		2SB709	TRANSISTOR CHIP	1	
Q3709		2SC2295	TRANSISTOR	1	
Q3710		2SD601	TRANSISTOR CHIP	1	
Q3711		2SC2295	TRANSISTOR	1	
Q3712		2SB709	TRANSISTOR CHIP	1	
Q3713,14		2SC2295	TRANSISTOR	2	
Q3715		2SB709	TRANSISTOR CHIP	1	
Q3716		2SC2295	TRANSISTOR	1	
Q3717		2SA1022	TRANSISTOR CHIP	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q3718		2SC2295	TRANSISTOR	1	
Q3719-21		2SD601	TRANSISTOR CHIP	3	
Q3722		2SC2295	TRANSISTOR	1	
Q3723		2SB709	TRANSISTOR CHIP	1	
Q3724		2SC2295	TRANSISTOR	1	
Q3725,26		2SD601	TRANSISTOR CHIP	2	
Q3728		2SC2295	TRANSISTOR	1	
Q3729-31		2SD601	TRANSISTOR CHIP	3	
Q3733,34		2SD601	TRANSISTOR CHIP	2	
Q3801		2SC2295	TRANSISTOR	1	
Q3802-04		2SB709	TRANSISTOR CHIP	3	
Q5001		2SC2295	TRANSISTOR	1	
Q5002,03		2SD601	TRANSISTOR CHIP	2	
Q5004,05		2SC2295	TRANSISTOR	2	
Q5006		2SB709	TRANSISTOR CHIP	1	
Q5007-13		2SC2295	TRANSISTOR	7	
Q5014		2SB709	TRANSISTOR CHIP	1	
Q5015		2SC2295	TRANSISTOR	1	
Q5017,18		2SD601	TRANSISTOR CHIP	2	
Q5501		2SB709	TRANSISTOR CHIP	1	
Q8301		2SD601	TRANSISTOR CHIP	1	
Q8302		2SC2295	TRANSISTOR	1	
			COMBINATION PARTS		
QR301-04		UN2213	TRANSISTOR-RESISTOR	4	
QR305		UN2110	TRANSISTOR-RESISTOR	1	
QR310,11		UN2213	TRANSISTOR-RESISTOR	2	
QR801-05		UN2213	TRANSISTOR-RESISTOR	5	
QR806		UN2113	TRANSISTOR-RESISTOR	1	
QR2401		UN2213	TRANSISTOR-RESISTOR	1	
QR3001,02		UN2213	TRANSISTOR-RESISTOR	2	
QR3003		UN2212	TRANSISTOR-RESISTOR	1	
QR3004,05		UN2213	TRANSISTOR-RESISTOR	2	
QR3006		UN2111	TRANSISTOR-RESISTOR	1	
QR3007		DTC363EK	TRANSISTOR-RESISTOR	1	
QR3008-10		UN2213	TRANSISTOR-RESISTOR	3	
QR3012		UN2213	TRANSISTOR-RESISTOR	1	
QR3201		UN2213	TRANSISTOR-RESISTOR	1	
QR3207,08		UN2213	TRANSISTOR-RESISTOR	2	
QR3301-03		UN2213	TRANSISTOR-RESISTOR	3	
QR3601-03		UN2213	TRANSISTOR-RESISTOR	3	
QR3851		UN2212	TRANSISTOR-RESISTOR	1	
QR5001-04		DTC363EK	TRANSISTOR-RESISTOR	4	
QR5006		UN2213	TRANSISTOR-RESISTOR	1	
QR5008		UN211D	TRANSISTOR-RESISTOR	1	
QR5009		UN2211	TRANSISTOR-RESISTOR	1	
QR5010		DTC114EK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R302		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R306		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R307		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R309		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R310		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R312		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R313		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R314		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R315		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R316		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R317		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R318,19		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R320,21		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R322		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R323,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R325		ERJ6GEYJ911	M.RESISTOR CH 1/10W 910	1	
R326		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R327		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R328		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R330		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R331		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R332		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R337		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R338		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R339		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R340		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R341		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R345		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R801		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R802		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R803		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R808		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R809,10		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	2	
R811		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R812		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R813		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R814		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R815		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R816		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R817		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R818		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R820		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R821		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R822		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R823,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R825		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R826		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R827		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R841		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R857		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R858		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R859,60		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R861		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R862		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R863		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R864		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2401		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2402		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2403,04		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R3001,02		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3003,04		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3005		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3006		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3007		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3008		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3009		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3010,11		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	2	
R3012		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3013		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3014		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3016		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3017		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3018		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3019		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3021		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3022,23		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3024		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3025		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3026		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3027		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3028		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3029		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3030		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3031		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3032		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3033		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3034		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3035		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3036		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3201-03		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R3204		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3205-07		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R3208		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3209		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3210		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3211		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3212		ERJ6GEYJ202	M.RESISTOR CH 1/10W 2K	1	
R3213		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3214		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3215		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3216		ERJ6GEYJ202	M.RESISTOR CH 1/10W 2K	1	
R3221		ERD2FCG220	C.RESISTOR 2W 22	1	<!>
R3222		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3301		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3302		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3303		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3304		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3305		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3306		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3307		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3308		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3309		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3310		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3311		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3312		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3313		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3314		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3315		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3316		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3317		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3318		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3319		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3320		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3321		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3349,50		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3401		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3403,04		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3405		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3406		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3407		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3408		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3409,10		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3411		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3412		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3413,14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3415		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3416		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3417		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3418		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3419		ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	1	
R3420		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3421		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3422		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3423		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3424		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3425,26		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3427		ERJ6GEYJ432	M.RESISTOR CH 1/10W 4.3K	1	
R3428		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3429		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3430,31		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3432		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3433		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3434		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3435		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3436		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3437		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3438		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3439		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3440		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3441		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3442		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3443		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3601		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3602		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3603		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3605		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3606,07		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	2	
R3609		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3610		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R3611		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R3612		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3613		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3614		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R3615		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3616-19		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	4	
R3620,21		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3639		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3642		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R3651		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3652		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3653,54		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3655		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3706		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3707		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3708		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3709		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3710		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3712		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R3713		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3714		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3715		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3716		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3717		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R3718		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3719		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3720		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3721		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3722		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3723		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3724		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3725		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3727		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3728		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3729		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3730		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3731		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3732		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3737		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3738		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3739		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3740		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3741		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3742		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3743		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3744		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3745		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3746		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3747		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3748		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3749		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3750		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3751,52		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3753		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R3754		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3755		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3756		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3757		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3758		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3759,60		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3761		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3763		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3764,65		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3766		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3767		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3768		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3769		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3770		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R3771,72		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3774		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3775		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3776,77		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	2	
R3778		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3779		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3780		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3781		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3782		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3783		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R3784		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3785		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3786		ERJ6GMYJ121	M.RESISTOR CH 1/10W 120	1	
R3787		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3788		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R3789		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R3791		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3793,94		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3795,96		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R3797		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3798		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3799		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3801		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3802-04		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	3	
R3805,06		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R3807		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3808		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3809		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3810		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3811		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3812		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3813,14		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3851		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3852		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3853-55		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	3	
R3856		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3857		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3858		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3859		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3860		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R3861		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3901		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3902		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3904,05		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3906		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3908		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3909,10		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	2	
R3911-17		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	7	
R5001		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R5002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5003-05		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	3	
R5006		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R5007		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5008		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5009		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5010		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5011		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R5012-14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R5015		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5016		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5017		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5018		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5019		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5020		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5021		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5022		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5023		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5024		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5025		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5026		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5027		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5028		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5029		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5030		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R5031		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5032		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5033-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R5036,37		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R5038		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5039		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5040		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5041		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R5042		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R5043		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R5044		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R5045		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5046-48		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R5049		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5050		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5051		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R5052		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5053		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5054		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5055,56		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R5057		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R5058		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5062,63		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R5064		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5065		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5066		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5067		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5068		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R5069		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5070		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5071		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R5072		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R5073		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5074		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R5503		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R5504		ERJ6GEYG114	M.RESISTOR CH 1/10W 110K	1	
R5505		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R5509,10		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R5511		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R5512,13		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R5514		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R5530		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8301		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8302		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8303,04		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8305,06		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R8307		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8308		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8309		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8310		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8311		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8312		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8313		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8314		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8315,16		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
			SWITCHES		
SW3651		ESD14314	SWITCH	1	
SW3901		VSS0162	SWITCH	1	
SW3902		VSS0111	SWITCH	1	
			THERMISTORS		
TH3301		ERTD2FIK154S	THERMISTOR	1	
TH3701,02		ERTD2FHL102S	THERMISTOR	2	
			VARIABLE RESISTORS		
VR301		EVND1AA00B13	V.RESISTOR 1K	1	
VR302		EVND1AA00B52	V.RESISTOR 500	1	
VR303		EVN32CA00B52	V.RESISTOR 500	1	
VR801		EVND1AA00B14	V.RESISTOR 10K	1	
VR3001,02		EVN4LCA00B23	V.RESISTOR 2K	2	
VR3301		EVN4YCA00B13	V.RESISTOR 1K	1	
VR3302		EVNDRAA00B24	V.RESISTOR 20K	1	
VR3402-03		EVND4AA00B52	V.RESISTOR 500	2	
VR3602		EVN4YCA00B53	V.RESISTOR 5K	1	
VR3651		EVN4YCA00B24	V.RESISTOR 20K	1	
VR3702		EVN4YCA00B53	VARIABLE 5K	4	
VR3703-05		EVN4YCA00B23	VARIABLE 2K	3	
VR3706-09		EVN4YCA00B13	V.RESISTOR 1K	4	
VR3851		EVND4AA00B23	VARIABLE 2K	1	
VR5001		EVNDRAA00B14	V.RESISTOR 10K	1	
VR5002		EVND1AA00B54	V.RESISTOR 50K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR5003		EVND4AA00B24	V.RESISTOR 20K	1	
VR5004,05		EVN49CA00B52	V.RESISTOR 500	2	
VR5006		EVND1AA00B23	V.RESISTOR 2K	1	
VR5501		EVND1AA00B52	V.RESISTOR 500	1	
VR5503		EVN4YCA00B24	V.RESISTOR 20K	1	
VR8301		EVN4YCA00B52	V.RESISTOR 500	1	
VR8302		EVNDRAA00B13	V.RESISTOR 1K	1	
			CRYSTAL OSCILLATORS		
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3001		VSX0099	CRYSTAL OSCILLATOR	1	
X3301		VSX0316	CRYSTAL OSCILLATOR	1	
X3801		VSX0323	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VKC0369	HINGE	2	(FOR Y/C MAIN)
		VJF0368	PACK C.B.A. ANGLE	1	(FOR Y/C MAIN)
		VMX2001	SPACER	1	(FOR Y/C MAIN)
		VSC2908	SHIELD(TOP)	1	(FOR HQ PACK)
		VSC2909	SHIELD(MAIN)	1	(FOR HQ PACK)
		VSC2910	SHIELD(BOTTOM)	1	(FOR HQ PACK)
		VJF0368	PACK C.B.A. ANGLE	1	(FOR HQ PACK)
		VMZ1526	INSULATION SHEET	1	(FOR HQ PACK)
		VSC2928	SHIELD(TOP/BOTTOM)	2	(FOR CCD PACK)
		VSC2929	SHIELD(MAIN)	1	(FOR CCD PACK)
		VMZ1848	INSULATION SHEET	1	(FOR CCD PACK)
		VEJ1130	JACK PLATE	1	(FOR I/O PACK)
		VGT0319	SW KNOB	2	(FOR I/O PACK)
		VJF0748	SPACER	1	(FOR SUB I/O PACK)
		VJF0368	PACK C.B.A. ANGLE	2	(FOR SUB I/O PACK)
	■	VEP04336A	AUDIO MAIN C.B.A.		(NLA) NV-V8000EG
			CAPACITORS		
C1251,52		ECEA1EPZ332	E.CAPACITOR 25V 3300U	2	
C1253,54		VCEA1CAE221	E.CAPACITOR 16V 220U	2	
C1255,56		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C1263,64		ECKF1H102KB	E.CAPACITOR 50V 1000P	2	
C4001		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C4002		ECCD2H181J	C.CAPACITOR 500V 180P	1	
C4003		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 100V 2200P	1	
C4005		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4006		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4007		ECQB1H153JH	P.CAPACITOR 50V 0.015U	1	
C4008		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C4009		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4010		VCEA1CAC330	E.CAPACITOR 16V 33U	1	
C4011		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4012		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4013		ECEA1EPK4R7	E.CAPACITOR 25V 4.7U	1	
C4015		ECQB1H272JH	P.CAPACITOR 50V 2700P	1	
C4017		ECEA1CPK100	E.CAPACITOR 16V 10U	1	
C4018		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C4019		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4020		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECUM1H221JN	C.CAPACITOR CH 50V 220P	1	
C4022		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4023		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C4024		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4025		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C4026		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4027		ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4028		ECQB1H822JH	P.CAPACITOR 50V 8200P	1	
C4029		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4030		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4031		ECEA10M22	E.CAPACITOR 10V 22U	1	
C4033		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4034,35		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C4036		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4037		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C4038		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C4101,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4301		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4302		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C4303		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4306,07		ECEA1AKN220	E.CAPACITOR 10V 22U	2	
C4501		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4502		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4503		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4504		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4505		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4506		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4507		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4508		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4509		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4510		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4511		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4512		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4513,14		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4515		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4516		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4517		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4518,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4520		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4521		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4522		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4525		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4526		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4527		VCEA1AAE101	E.CAPACITOR 10V 100U	1	
C4528		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C4529		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4530		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4531		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C4532		ECEA1CPZ471	E.CAPACITOR 16V 470U	1	
C4534		VCEA1AAH101	E.CAPACITOR 10V 100U	1	
C4535		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4537		ECUM1H331JN	C.CAPACITOR CH 50V 330P	1	
C4538		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4539		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4540-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C4545		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4551		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4552		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4553		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4554		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4555		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4556		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4557		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4558		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4559		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4560		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4561		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4562-64		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	3	
C4565		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4567		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4568,69		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4570		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4572		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4574,75		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C4576		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4577		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C4578		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4901		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4902,03		VCEA1CAC101	E.CAPACITOR 16V 100U	2	
C4904		VCEA1CAC470	E.CAPACITOR 16V 47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4905		VCEA1AAC221	E.CAPACITOR 10V 220U	1	
C4906		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4907		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C4908,09		ECEA1HKR47	E.CAPACITOR 50V 0.47U	2	
C4910		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4911		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C4912		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C4913,14		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4915		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C4916		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4918		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C4919		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
			DIODES		
D1251		S1WBA40	DIODE	1	
D4001,02		MA165VT	DIODE	2	
D4011		MA151WK	DIODE	1	
D4020-23		MA165VT	DIODE	4	
D4301-08		MA165VT	DIODE	8	
D4901-04		MA165VT	DIODE	4	
D4905		MA4047M	DIODE	1	
			FUSE		
F1251,52		XBA2C04TB0	FUSE	2	
			FILTERS		
FL4501,02		VLF0406	FILTER	2	
FL4503		VLF0697	FILTER	1	
			INTEGRATED CIRCUITS		
IC1251		M5F78M12L	IC	1	
IC1252		M5F79M12L	IC	1	
IC4001		BA7766AS	IC	1	
IC4103		RC4565DD	IC	1	
IC4301		M51132L	IC	1	
IC4501		BA7705K1	IC	1	
IC4502		UPC78L05J	IC	1	
IC4901		M51293FP	IC	1	
IC4902		UPC78L06J	IC	1	
IC4903		AN79N06	IC	1	
IC4904		M5201L	IC	1	
			COILS		
L4001		VLQEL07F153J	COIL 15mH	1	
L4002		VLQEL05F471K	COIL 470UH	1	
L4003		VLQ0123	COIL	1	
L4501,02		VLQEL05F101K	COIL 100UH	2	
L4901,02		VLQEL05F101K	COIL 100UH	2	
L4903,04		VLQEL05F102K	COIL 1000UH	2	
			CONNECTORS		
P551		VJS1742	CONNECTOR(FEMALE)	1	
P1001		VJS1188	CONNECTOR(FEMALE)	1	
P1251		VJP1188	CONNECTOR(MALE)	1	
P1251		VJS1188	CONNECTOR(FEMALE)	1	
P2802		VJS1230R	CONNECTOR(FEMALE)	1	
P3702		VJS1231R	CONNECTOR(FEMALE)	1	
P4001		VJP1231T	CONNECTOR(MALE) 4P	1	
P4002		VJP1235T	CONNECTOR(MALE) 8P	1	
P4002		VJS1741	CONNECTOR(FEMALE)	1	
P4003		VJP1235T	CONNECTOR(MALE) 8P	1	
P4003		VJS1235T	CONNECTOR(FEMALE)	1	
P4004		VJP1233T	CONNECTOR(MALE) 6P	1	
P4004		VJS1739	CONNECTOR(FEMALE)	1	
P4005		VJP1232T	CONNECTOR(MALE) 5P	1	
P4005		VJS1232R	CONNECTOR(FEMALE)	1	
P4006		VJP1232T	CONNECTOR(MALE) 5P	1	
P4006		VJS1738	CONNECTOR(FEMALE)	1	
P4007		VJP1235T	CONNECTOR(MALE) 8P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P4008		VJP1236T	CONNECTOR(MALE) 9P	1	
P4008		VJS1742	CONNECTOR(FEMALE)	1	
P4009		VJP1393T	CONNECTOR(MALE) 13P	1	
P4009		VJS2381	CONNECTOR(FEMALE)	1	
P4010		VJP1230T	CONNECTOR(MALE) 3P	1	
P4010		VJS1230T	CONNECTOR(FEMALE)	1	
P4011		VJP1230T	CONNECTOR(MALE) 3P	1	
P4012		VJP1231T	CONNECTOR(MALE) 4P	1	
P4012		VJS1737	CONNECTOR(FEMALE)	1	
P4802		VJS1231T	CONNECTOR(FEMALE)	1	
P6002		VJS1742	CONNECTOR(FEMALE)	1	
P6003		VJS2381	CONNECTOR(FEMALE)	1	
P6812		VJS1737	CONNECTOR(FEMALE)	1	
P6813		VJS1739	CONNECTOR(FEMALE)	1	
P6814		VJS1232R	CONNECTOR(FEMALE)	1	
P7942		VJS1738	CONNECTOR(FEMALE)	1	
			PACK PINS		
PK4301		VJR0275	PACK PIN	1	
			TRANSISTORS		
Q4001		2SD639-R	TRANSISTOR	1	
Q4002		2SD601-R	TRANSISTOR CHIP	1	
Q4003		2SD1328-R	TRANSISTOR	1	
Q4004		2SD601-R	TRANSISTOR CHIP	1	
Q4005,06		2SD1328-R	TRANSISTOR	2	
Q4301,02		2SD636	TRANSISTOR	2	
Q4502,03		2SD1306	TRANSISTOR	2	
Q4504		2SB709-R	TRANSISTOR CHIP	1	
Q4901		2SD636	TRANSISTOR	1	
			COMBINATION PARTS		
QR4001		DTC363EK	TRANSISTOR-RESISTOR	1	
QR4002,03		FA1F4M	TRANSISTOR-RESISTOR	2	
QR4004-06		FA1L4M	TRANSISTOR-RESISTOR	3	
QR4010		DTC114WK	TRANSISTOR-RESISTOR	1	
QR4011-13		FA1F4M	TRANSISTOR-RESISTOR	3	
QR4301		UN1213	TRANSISTOR-RESISTOR	1	
QR4501,02		FA1L4M	TRANSISTOR-RESISTOR	2	
QR4901-03		FA1L4M	TRANSISTOR-RESISTOR	3	
			RESISTORS		
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4003		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4004		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4005		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4006		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4007,08		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R4009		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4010		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4011		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4014		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4015		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R4016		ERJ6GMYJ361	M.RESISTOR CH 1/10W 360	1	
R4017		ERJ6GMYJ470	M.RESISTOR CH 1/10W 47	1	
R4018		ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K	1	
R4019		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023		ERJ6GMYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R4024		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4025,26		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4027		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4028		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4029		ERJ6GMYG242	M.RESISTOR CH 1/10W 2.4K	1	
R4030		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4031		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4032		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4033		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4034		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4035		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4036		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4037		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R4038		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4039		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4040-42		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R4044		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4045		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4046		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4047		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4048		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4049		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4051		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4060		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4061		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4062		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R4063		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4064		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4101		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4108		ERDAS3J680	.RESISTOR 68	1	
R4111		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4112		ERDAS3J680	.RESISTOR 68	1	
R4118		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4301		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R4302,03		ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	
R4304		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R4305		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4306		ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R4501		ERDAS3G821	.RESISTOR 820	1	
R4502		ERDAS3G681	.RESISTOR 680	1	
R4503		ERDAS3G821	.RESISTOR 820	1	
R4504		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4505		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4506		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4507		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4508		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	
R4511		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4512		VRE0034E912	M.RESISTOR CH 1/10W 9.1K	1	
R4513		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R4514		ERDAS3J331	.RESISTOR 330	1	
R4515		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4516		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4517		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4520		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4521		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4522		ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R4523		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4525,26		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R4527		VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R4528		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4529		ERJ6GMYG163	M.RESISTOR CH 1/10W 16K	1	
R4530		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4533		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4535		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4536		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4539		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4540		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4541		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R4542		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4551		ERDAS3G821	.RESISTOR 820	1	
R4552		ERDAS3G681	.RESISTOR 680	1	
R4553		ERDAS3G821	.RESISTOR 820	1	
R4554		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4555		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4556		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4557		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4558		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	
R4561		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4562		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4563		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4564		ERDAS3J331	.RESISTOR 330	1	
R4565		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4566		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4567		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R4573		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4574		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4576		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4577		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4578		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4579		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4580		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4901,02		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R4903		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4904		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4905		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4906		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4907		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4908		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4909		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4910		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4911		ERJ6GMYG163	M.RESISTOR CH 1/10W 16K	1	
R4912		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4913		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4914		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4915		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4916		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4917,18		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	2	
R4919		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4920		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4921		ERJ6GMYG163	M.RESISTOR CH 1/10W 16K	1	
R4922		ERJ6GMYG563	M.RESISTOR CH 1/10W 56K	1	
R4923,24		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R4925		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4926		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4927		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4928		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4929,30		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R4931		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R4932		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4933		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4934		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R4935,36		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R4937		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4938,39		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R4940,41		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4943		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R4945		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
			TRANSFORMERS		
T4001		EIQ7QF013Q	TRANSFORMER	1	
			VARIABLE RESISTORS		
VR4001		EVNDXAA00B14	V.RESISTOR 10K	1	
VR4002		EVNDXAA00B25	V.RESISTOR 200K	1	
VR4003		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4501		EVN4VCA00B14	V.RESISTOR 10K	1	
VR4502		EVN4YCA00B24	V.RESISTOR 20K	1	
VR4507		EVN4YCA00B24	V.RESISTOR 20K	1	
VR4509		EVN4VCA00BS3	V.RESISTOR	1	
VR4511		EVN4YCA00B52	V.RESISTOR 500	1	
VR4512		EVNDXAA00B22	V.RESISTOR 200	1	
			MISCELLANEOUS		
		VJJ0266	RCA PIN JACK	2	
		VYP3571	INPUT/OUTPUT PLATE UNIT	1	
		VJF0318	FUSE HOLDER	4	
		VSC3069	SHIELD	1	
		VKC0247	HINGE	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP04336B	AUDIO MAIN C.B.A.		(NIA) NV-V8000EB/B
			CAPACITORS		
C1251,52		ECEA1EPZ332	E.CAPACITOR 25V 3300U	2	
C1253,54		VCEA1CAE221	E.CAPACITOR 16V 220U	2	
C1255,56		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C1263,64		ECKF1H102KB	E.CAPACITOR 50V 1000P	2	
C4001		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C4002		ECCD2H181J	C.CAPACITOR 500V 180P	1	
C4003		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 100V 2200P	1	
C4005		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4006		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4007		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C4008		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C4009		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4010		VCEA1CAC330	E.CAPACITOR 16V 33U	1	
C4011		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4012		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4013		ECEA1EPK4R7	E.CAPACITOR 25V 4.7U	1	
C4015		ECQB1H272JH	P.CAPACITOR 50V 2700P	1	
C4017		ECEA1CPK100	E.CAPACITOR 16V 10U	1	
C4018		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C4019		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4020		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECUM1H221JN	C.CAPACITOR CH 50V 220P	1	
C4022		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4023		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C4024		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4025		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C4026		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4027		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4028		ECQB1H822JH	P.CAPACITOR 50V 8200P	1	
C4029		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4030		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4031		ECEA10M22	E.CAPACITOR 10V 22U	1	
C4033		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4034,35		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C4036		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4037		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C4038		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C4101,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4301		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4302		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C4303		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4306,07		ECEA1AKN220	E.CAPACITOR 10V 22U	2	
C4501		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4502		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4503		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4504		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4505		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4506		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4507		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4508		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4509		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4510		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4511		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4512		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4513,14		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4515		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4516		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4517		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4518,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4520		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4521		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4522		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4525		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4526		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4527		VCEA1AAE101	E.CAPACITOR 10V 100U	1	
C4528		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C4529		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4530		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4531		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C4532		ECEA1CPZ471	E.CAPACITOR 16V 470U	1	
C4534		VCEA1AAH101	E.CAPACITOR 10V 100U	1	
C4535		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4537		ECUM1H331JN	C.CAPACITOR CH 50V 330P	1	
C4538		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4539		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4540-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C4545		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4551		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4552		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4553		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4554		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4555		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4556		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4557		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4558		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4559		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4560		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4561		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4562-64		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	3	
C4565		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4567		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4568,69		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4570		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4572		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4574,75		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C4576		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4577		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C4578		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4901		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4902,03		VCEA1CAC101	E.CAPACITOR 16V 100U	2	
C4904		VCEA1CAC470	E.CAPACITOR 16V 47U	1	
C4905		VCEA1AAC221	E.CAPACITOR 10V 220U	1	
C4906		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4907		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C4908,09		ECEA1HKR47	E.CAPACITOR 50V 0.47U	2	
C4910		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4911		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C4912		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C4913,14		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4917		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C4920		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
			DIODES		
D1251		S1WBA40	DIODE	1	
D4001,02		MA165VT	DIODE	2	
D4011		MA151WK	DIODE	1	
D4020-23		MA165VT	DIODE	4	
D4301-08		MA165VT	DIODE	8	
D4901-04		MA165VT	DIODE	4	
D4905		MA4047M	DIODE	1	
			FUSE		
F1251,52		XBA2C04TB0	FUSE	2	
			FILTERS		
FL4501,02		VLF0406	FILTER	2	
FL4503		VLF0697	FILTER	1	
			INTEGRATED CIRCUITS		
IC1251		M5F78M12L	IC	1	
IC1252		M5F79M12L	IC	1	
IC4001		BA7766AS	IC	1	
IC4103		RC4565DD	IC	1	
IC4301		M51132L	IC	1	
IC4501		BA7705K1	IC	1	
IC4502		UPC78L05J	IC	1	
IC4901		M51293FP	IC	1	
IC4902		UPC78L06J	IC	1	
IC4903		AN79N06	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC4904		M5201L	IC	1	
			COILS		
L4001		VLQEL07F153J	COIL 15MH	1	
L4002		VLQEL05F471K	COIL 470UH	1	
L4003		VLQ0123	COIL	1	
L4501,02		VLQEL05F101K	COIL 100UH	2	
			CONNECTORS		
P551		VJS1742	CONNECTOR(FEMALE)	1	
P1001		VJS1188	CONNECTOR(FEMALE)	1	
P1251		VJP1188	CONNECTOR(MALE)	1	
P1251		VJS1188	CONNECTOR(FEMALE)	1	
P2802		VJS1230R	CONNECTOR(FEMALE)	1	
P3702		VJS1231R	CONNECTOR(FEMALE)	1	
P4001		VJP1231T	CONNECTOR(MALE) 4P	1	
P4002		VJP1235T	CONNECTOR(MALE) 8P	1	
P4002		VJS1741	CONNECTOR(FEMALE)	1	
P4003		VJP1235T	CONNECTOR(MALE) 8P	1	
P4003		VJS1235T	CONNECTOR(FEMALE)	1	
P4004		VJP1233T	CONNECTOR(MALE) 6P	1	
P4004		VJS1739	CONNECTOR(FEMALE)	1	
P4005		VJP1232T	CONNECTOR(MALE) 5P	1	
P4005		VJS1232R	CONNECTOR(FEMALE)	1	
P4006		VJP1232T	CONNECTOR(MALE) 5P	1	
P4006		VJS1738	CONNECTOR(MALE)	1	
P4007		VJP1235T	CONNECTOR(MALE) 8P	1	
P4008		VJP1236T	CONNECTOR(MALE) 9P	1	
P4008		VJS1742	CONNECTOR(FEMALE)	1	
P4009		VJP1393T	CONNECTOR(MALE) 13P	1	
P4009		VJS2381	CONNECTOR(FEMALE)	1	
P4010		VJP1230T	CONNECTOR(MALE) 3P	1	
P4010		VJS1230T	CONNECTOR(FEMALE)	1	
P4011		VJP1230T	CONNECTOR(MALE) 3P	1	
P4012		VJP1231T	CONNECTOR(MALE) 4P	1	
P4012		VJS1737	CONNECTOR(FEMALE)	1	
P4802		VJS1231T	CONNECTOR(FEMALE)	1	
P6002		VJS1742	CONNECTOR(FEMALE)	1	
P6003		VJS2381	CONNECTOR(FEMALE)	1	
P6812		VJS1737	CONNECTOR(FEMALE)	1	
P6813		VJS1739	CONNECTOR(FEMALE)	1	
P6814		VJS1232R	CONNECTOR(FEMALE)	1	
P7942		VJS1738	CONNECTOR(FEMALE)	1	
			PACK PINS		
PK4301		VJR0275	PACK PIN	1	
			TRANSISTORS		
Q4001		2SD639-R	TRANSISTOR	1	
Q4002		2SD601-R	TRANSISTOR CHIP	1	
Q4003		2SD1328-R	TRANSISTOR	1	
Q4004		2SD601-R	TRANSISTOR CHIP	1	
Q4005,06		2SD1328-R	TRANSISTOR	2	
Q4301,02		2SD636	TRANSISTOR	2	
Q4502,03		2SD1306	TRANSISTOR	2	
Q4504		2SB709-R	TRANSISTOR CHIP	1	
Q4901		2SD636	TRANSISTOR	1	
			COMBINATION PARTS		
QR4001		DTC363EK	TRANSISTOR-RESISTOR	1	
QR4002,03		FA1F4M	TRANSISTOR-RESISTOR	2	
QR4004-06		FA1L4M	TRANSISTOR-RESISTOR	3	
QR4010		DTC114WK	TRANSISTOR-RESISTOR	1	
QR4011-13		FA1F4M	TRANSISTOR-RESISTOR	3	
QR4301		UN1213	TRANSISTOR-RESISTOR	1	
QR4501,02		FA1L4M	TRANSISTOR-RESISTOR	2	
QR4901-03		FA1L4M	TRANSISTOR-RESISTOR	3	
			RESISTORS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4003		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4004		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4005		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4006		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4007,08		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R4009		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4010		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4011		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4014		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4015		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R4016		ERJ6GMYJ361	M.RESISTOR CH 1/10W 360	1	
R4017		ERJ6GMYJ470	M.RESISTOR CH 1/10W 47	1	
R4018		ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K	1	
R4019		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023		ERJ6GMYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R4024		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4025,26		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4027		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4028		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4029		ERJ6GMYG242	M.RESISTOR CH 1/10W 2.4K	1	
R4030		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4031		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4032		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4033		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4034		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4035		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4036		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4037		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R4038		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4039		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4040-42		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R4044		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4045		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4046		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4047		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4048		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4049		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4051		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4060		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4061		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4062		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R4063		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4064		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4101		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4108		ERDAS3J680	.RESISTOR 68	1	
R4111		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4112		ERDAS3J680	.RESISTOR 68	1	
R4118		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4301		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R4302,03		ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	
R4304		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R4305		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4306		ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R4501		ERDAS3G821	.RESISTOR 820	1	
R4502		ERDAS3G681	.RESISTOR 680	1	
R4503		ERDAS3G821	.RESISTOR 820	1	
R4504		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4505		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4506		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4507		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4508		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	
R4511		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4512		VRE0034E912	M.RESISTOR CH 1/10W 9.1K	1	
R4513		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R4514		ERDAS3J331	.RESISTOR 330	1	
R4515		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4516		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4517		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4520		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4521		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4522		ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4523		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4525,26		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R4527		VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R4528		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4529		ERJ6GMYG163	M.RESISTOR CH 1/10W 16K	1	
R4530		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4533		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4535		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4536		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4539		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4540		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4541		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R4542		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4551		ERDAS3G821	.RESISTOR 820	1	
R4552		ERDAS3G681	.RESISTOR 680	1	
R4553		ERDAS3G821	.RESISTOR 820	1	
R4554		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4555		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4556		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4557		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4558		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	
R4561		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4562		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4563		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4564		ERDAS3J331	.RESISTOR 330	1	
R4565		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4566		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4567		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R4573		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4574		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4576		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4577		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4578		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4579		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4580		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4901,02		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R4903		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4904		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4905		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4906		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4907		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4908		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4909		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4910		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4911		ERJ6GMYG163	M.RESISTOR CH 1/10W 16K	1	
R4912		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4913		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4914		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4915		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4916		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4917,18		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	2	
R4919		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4920		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4921		ERJ6GMYG163	M.RESISTOR CH 1/10W 16K	1	
R4922		ERJ6GMYG563	M.RESISTOR CH 1/10W 56K	1	
R4923,24		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R4925		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4926		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4927		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4928		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4929,30		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R4931		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R4932		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4933		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R4934		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R4935,36		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R4937		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4938,39		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R4940,41		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4942		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4944		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
			TRANSFORMERS		
T4001		EIQ7QF013Q	TRANSFORMER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			RESISTORS		
VR4001		EVNDXAA00B14	V.RESISTOR 10K	1	
VR4002		EVNDXAA00B25	V.RESISTOR 200K	1	
VR4003		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4501		EVN4VCA00B14	V.RESISTOR 10K	1	
VR4502		EVN4YCA00B24	V.RESISTOR 20K	1	
VR4507		EVN4YCA00B24	V.RESISTOR 20K	1	
VR4509		EVN4VCA00BS3	V.RESISTOR	1	
VR4511		EVN4YCA00B52	V.RESISTOR 500	1	
VR4512		EVNDXAA00B22	V.RESISTOR 200	1	
			MISCELLANEOUS		
		VJJ0266	RCA PIN JACK	2	
		VYP3571	INPUT/OUTPUT PLATE UNIT	1	
		VJF0318	FUSE HOLDER	4	
		VSC3069	SHIELD	1	
		VKC0247	HINGE	2	
	■	VEP03788B	TBC C.B.A.		(NLA)
			CAPACITORS		
C9001		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9002		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C9003		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C9004		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C9005		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C9006		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C9007		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C9008		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9009		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C9010		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C9011		ECQB1H333JH	P.CAPACITOR 50V 0.033U	1	
C9012		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C9013		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9014		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C9015		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9016		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C9017		ECQB1H223JH	P.CAPACITOR 50V 0.022U	1	
C9018		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C9019		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9020,21		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C9022		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C9023		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9024		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C9025		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C9026		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C9027		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9028		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9029		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C9031,32		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9033		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C9034		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C9035		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9036,37		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	2	
C9038		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9039		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C9040		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9041		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9042		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9043-50		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	8	
C9051		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C9052-56		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	5	
C9057		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C9058		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9059		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C9060		ECUM1H050DCN	C.CAPACITOR CH 50V 50P	1	
C9061		ECUM1H020CCN	C.CAPACITOR CH 50V 2P	1	
C9062		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C9063		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C9064		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9065		ECUM1H682KBN	C.CAPACITOR CH 50V 6800P	1	
C9066		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9067-69		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C9070		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9071,72		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9073		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9074		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9075		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9076		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9077		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C9078		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9079		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9080		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9081,82		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C9083-86		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C9087		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C9088		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9089		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9090,91		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9092		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C9093		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9094		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C9095		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C9096,97		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
			FILTERS		
FL9001-05		VLF0633	FILTER	5	
FL9006-08		ELKAH103EB	FILTER	3	
FL9009		VLF0839	FILTER	1	
FL9010		VLF0838	FILTER	1	
FL9011		VLF0874	FILTER	1	
FL9012		VLF0855	FILTER	1	
FL9013		ELB4P034	FILTER	1	
FL9014		VLF0875	FILTER	1	
FL9015-17		VLF0634	FILTER	3	
FL9020,21		VLF0634	FILTER	2	
FL9022,23		ELKAH101GB	FILTER	2	
FL9025		VLF0634	FILTER	1	
FL9026		ELKAH101GB	FILTER	1	
FL9027		ELKAH103EB	FILTER	1	
FL9028		VLF0634	FILTER	1	
			INTEGRATED CIRCUITS		
IC9001		AN3942SB	IC	1	
IC9002		AN3496S	IC	1	
IC9003		MN74HC4066S	IC	1	
IC9004,05		HA19211BNT	IC	2	
IC9006		AN3915S	IC	1	
IC9007,08		SC41547FU	IC	2	
IC9009		MN73026VME	IC	1	
			COILS		
L9001		VLQ0188J2R2	COIL	1	
L9002,03		VLQEL05F101K	COIL 100UH	2	
L9004		VLQEL05F680K	COIL 68UH	1	
L9005		VLQEL05F270K	COIL 27UH	1	
L9006		VLQ0188J2R2	COIL	1	
L9007		VLQEL05F101K	COIL 100UH	1	
L9008,09		VLQ0188J2R2	COIL	2	
L9010		VLQ0188J6R8	COIL	1	
L9011-14		VLQ0188J2R2	COIL	4	
L9018,19		VLP0054	COIL	2	
L9024		VLP0054	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTORS		
P9001		VJP1239T	CONNECTOR(MALE) 12P	1	
P9002		VJP1235T	CONNECTOR(MALE) 8P	1	
P9003		VJP1231T	CONNECTOR(MALE) 4P	1	
			TRANSISTORS		
Q9001		MSB709	TRANSISTOR	1	
Q9002		MSD601	TRANSISTOR	1	
Q9003		MSB709	TRANSISTOR	1	
Q9004		MSD601	TRANSISTOR	1	
Q9005,06		MSB709	TRANSISTOR	2	
Q9007-09		MSD601	TRANSISTOR	3	
Q9010,11		MSB709	TRANSISTOR	2	
Q9012		MSD601	TRANSISTOR	1	
Q9013,14		MSB709	TRANSISTOR	2	
Q9015		MSD601	TRANSISTOR	1	
Q9016		2SC2295	TRANSISTOR	1	
Q9017		MSD601	TRANSISTOR	1	
Q9018		MSB709	TRANSISTOR	1	
Q9019		MSD601	TRANSISTOR	1	
Q9020		2SC2295	TRANSISTOR	1	
Q9021		MSD601	TRANSISTOR	1	
Q9022		MSB709	TRANSISTOR	1	
Q9023		MSD601	TRANSISTOR	1	
Q9024		MSB709	TRANSISTOR	1	
			COMBINATION PARTS		
QR9001		MRN1404	TRANSISTOR-RESISTOR	1	
QR9004		MRN1404	TRANSISTOR-RESISTOR	1	
QR9007,08		MRN1404	TRANSISTOR-RESISTOR	2	
QR9010		MRN1404	TRANSISTOR-RESISTOR	1	
QR9011		MRN2403	TRANSISTOR-RESISTOR	1	
QR9012		MRN1404	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R9001-06		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	6	
R9007		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9008,09		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9010,11		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R9012-23		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	12	
R9024		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R9025		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9026		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R9027-29		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R9030		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R9031		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9034		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9037		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R9038		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R9039		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9040		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R9041		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9042		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R9043		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9044		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R9045		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9046		ERJ6GEYJ341	M.RESISTOR CH 1/10W 340	1	
R9047,48		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9049		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R9050		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R9051,52		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	2	
R9053		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R9054,55		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	2	
R9056		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9057		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R9058		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9059,60		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9061		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R9062		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R9063		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9064		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9065		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R9066		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R9067		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9068-70		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R9071		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R9072,73		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9074		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R9075		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9076		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R9077		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R9078		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9079		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R9080,81		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9082		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R9083		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9084		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9085,86		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R9087		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9088		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9089		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9090		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9091,92		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9093		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9094		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9095		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9096		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R9097		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9098		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9099		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R9100		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9104		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9105-08		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R9109,10		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R9111		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R9112		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R9113		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9114		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9115,16		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
			VARIABLE RESISTORS		
VR9001		EVN4LCA00B13	V.RESISTOR 1K	1	
VR9002		EVNDXAA00B54	V.RESISTOR 50K	1	
VR9003		EVN4LCA00B13	V.RESISTOR 1K	1	
VR9004		EVNDXAA00B24	V.RESISTOR 20K	1	
VR9005,06		EVN4LCA00B14	V.RESISTOR 10K	2	
			CRYSTAL OSCILLATORS		
X9001		EF0A5004BR	CRYSTAL OSCILLATOR	1	
X9002		VSX0404	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMP2782	ANGLE	1	
		VSC3166	SHIELD (A)	1	
		VSC3167	SHIELD (B)	1	
		VSC3168	SHIELD (C)	1	
		VMX1921	SPACER	1	
	■	VEP03773A	JUMPING CORRECTION C.B.A.		(NLA) NV-V8000EG/EB

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CAPACITORS		
C1301		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1302		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C1303		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C3501		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3502		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3503		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3522		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3523		ECQP1H272JZ	P.CAPACITOR 50V 2700P	1	
C3524		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3525		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C3526		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C3527		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3528		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3529		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C3530		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3531		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3532		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3533		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3534,35		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C3536,37		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3538		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C3539,40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3541		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C3542,43		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C3544,45		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3546		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3547		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3553,54		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8502-10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	9	
C8511		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8512		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C8513		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8514		ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C8515		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C8516		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C8517		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8518		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8519,20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8521		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C8522		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8523		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
			DIODES		
D1301,02		MA151K	DIODE	2	
D3501		MA151A	DIODE	1	
D3502		MA153	DIODE	1	
D8501		MA151WK	DIODE	1	
D8502		MA151K	DIODE	1	
			DELAYS		
DL8501		EFDRT325A12B	DELAY	1	
DL8502		EFDBT645A41A	DELAY	1	
			INTEGRATED CIRCUITS		
IC3501		TL8705P	IC	1	
IC3502		AN78L09	IC	1	
IC3503		UPC1517CA	IC	1	
IC3504		M52055FP	IC	1	
IC8501		AN3594K	IC	1	
IC8503		BU5715F	IC	1	
			COILS		
L3501,02		VLQEL05F101K	COIL 100UH	2	
L3504		VLQEL05F101K	COIL 100UH	1	
L3505		VLQEL05F100K	COIL 10UH	1	
L3506,07		VLQEL05F390K	COIL 39UH	2	
L3508		VLQEL05F101K	COIL 100UH	1	
L3509		VLP0053	COIL	1	
L8503		VLQEL05F8R2K	COIL 8.2UH	1	
L8504,05		VLQEL05F100K	COIL 10UH	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L8506,07		VLQEL05F101K	COIL 100UH	2	
			CONNECTORS		
P1301		VJP1511T	CONNECTOR(MALE)	1	
P3501		VJP1393T	CONNECTOR(MALE) 13P	1	
P3502		VJP1231T	CONNECTOR(MALE) 4P	1	
P3503		VJP1232T	CONNECTOR(MALE) 5P	1	
			TRANSISTORS		
Q1301		2SD1330	TRANSISTOR	1	
Q3501,02		2SB709	TRANSISTOR CHIP	2	
Q3503		2SD601	TRANSISTOR CHIP	1	
Q3504		2SB709	TRANSISTOR CHIP	1	
Q3505		2SC2295	TRANSISTOR	1	
Q8501		2SC2295	TRANSISTOR	1	
Q8502,03		2SD601	TRANSISTOR CHIP	2	
			COMBINATION PARTS		
QR1301,02		UN2211	TRANSISTOR-RESISTOR	2	
QR8501		UN2211	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R1301		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R1302		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3501		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3511		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3512		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3513		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3514		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3515		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3516		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3519		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3520		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3521		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3522		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3523		ERTD2FHL333S	THERMISTOR 33K	1	
R3524		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3525		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3526		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R3527		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3528		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3529		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3530		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3531		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3534		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8501		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8502		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8503		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8504		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8505		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8508		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R8509		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8510		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8511		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R8512		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8513		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8514		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8515		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8516		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8517		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8518,19		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	2	
R8520		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8521		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8522		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8523		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8524		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8525		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8526		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
			VARIABLE RESISTORS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR3501		EVN4YCA00B13	V.RESISTOR 1K	1	
VR3502		EVN4YCA00B53	V.RESISTOR 5K	1	
VR8502,03		EVN4YCA00B13	V.RESISTOR 1K	2	
			CRYSTAL OSCILLATOR		
X3501		VSX0189	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC2914	SHIELD (TOP)	1	
		VSC2915	SHIELD (MAIN)	1	
		VSC2916	SHIELD (BOTTOM)	1	
	■	VEP03773B	JUMPING CORRECTION C.B.A.		(NLA) NV-V8000B
			CAPACITORS		
C3501		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3502		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3503		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3522		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3523		ECQP1H272JZ	P.CAPACITOR 50V 2700P	1	
C3524		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3525		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C3526		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C3527		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3528		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3529		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C3530		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3531		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3532		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3533		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3534,35		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C3536,37		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3538		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C3539,40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3541		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C3542,43		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C3544,45		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3546		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3547		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3553,54		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8502-10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	9	
C8511		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8512		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C8513		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8514		ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C8515		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C8516		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C8517		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8518		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8519,20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8521		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C8522		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8523		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
			DIODES		
D3501		MA151A	DIODE	1	
D3502		MA153	DIODE	1	
D8501		MA151WK	DIODE	1	
D8502		MA151K	DIODE	1	
			DELAY LINES		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
DL8501		EFDRT325A12B	DELAY LINE	1	
DL8502		EFDBT645A41A	DELAY LINE	1	
			INTEGRATED CIRCUITS		
IC3501		TL8705P	IC	1	
IC3502		AN78L09	IC	1	
IC3503		UPC1517CA	IC	1	
IC3504		M52055FP	IC	1	
IC8501		AN3594K	IC	1	
IC8503		BU5715F	IC	1	
			COILS		
L3501,02		VLQEL05F101K	COIL 100UH	2	
L3504		VLQEL05F101K	COIL 100UH	1	
L3505		VLQEL05F100K	COIL 10UH	1	
L3506,07		VLQEL05F390K	COIL 39UH	2	
L3508		VLQEL05F101K	COIL 100UH	1	
L3509		VLP0053	COIL	1	
L8503		VLQEL05F8R2K	COIL 8.2UH	1	
L8504,05		VLQEL05F100K	COIL 10UH	2	
L8506,07		VLQEL05F101K	COIL 100UH	2	
			CONNECTORS		
P3501		VJP1393T	CONNECTOR(MALE) 13P	1	
P3502		VJP1231T	CONNECTOR(MALE) 4P	1	
P3503		VJP1232T	CONNECTOR(MALE) 5P	1	
			TRANSISTORS		
Q3501,02		2SB709	TRANSISTOR CHIP	2	
Q3503		2SD601	TRANSISTOR CHIP	1	
Q3504		2SB709	TRANSISTOR CHIP	1	
Q3505		2SC2295	TRANSISTOR	1	
Q8501		2SC2295	TRANSISTOR	1	
Q8502,03		2SD601	TRANSISTOR CHIP	2	
			COMBINATION PARTS		
QR8501		UN2211	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R3501		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3511		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3512		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3513		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3514		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3515		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3516		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3519		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3520		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3521		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3522		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3523		ERTD2FHL333S	THERMISTOR 33K	1	
R3524		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3525		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3526		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R3527		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3528		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3529		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3530		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3531		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3534		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8501		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8502		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8503		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8504		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8506		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8508		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R8509		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8510		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8511		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8512		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8513		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8514		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8515		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8516		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8517		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8518,19		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	2	
R8520		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8521		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8522		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8523		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8524		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8525		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8526		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
			VARIABLE RESISTORS		
VR3501		EVN4YCA00B13	V.RESISTOR 1K	1	
VR3502		EVN4YCA00B53	V.RESISTOR 5K	1	
VR8502,03		EVN4YCA00B13	V.RESISTOR 1K	2	
			CRYSTAL OSCILLATORS		
X3501		VSX0189	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC2914	SHIELD (TOP)	1	
		VSC2915	SHIELD (MAIN)	1	
		VSC2916	SHIELD (BOTTOM)	1	
	■	VEP02366B	INDEX SERCH C.B.A.		(NLA)
			CAPACITORS		
C2201,02		ECQB1H222JH	P.CAPACITOR 50V 2200P	2	
C2203		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2204		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C2205		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2206		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C2207		ECQB1H223KH	P.CAPACITOR 50V 0.022U	1	
C2208		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2209		ECSF1CE105	T.CAPACITOR 16V 1U	1	
C2210		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2211		ECEA10M47	E.CAPACITOR 10V 47U	1	
C2212,13		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	2	
C2214,15		ECQB1H472JH	P.CAPACITOR 50V 4700P	2	
C2216		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2227		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2228,29		ECQB1H223JH	P.CAPACITOR 50V 0.022U	2	
			DIODES		
D2201,02		MA165VT	DIODE	2	
D2203		MA4056M	DIODE	1	
D2209-11		MA165VT	DIODE	3	
			INTEGRATED CIRCUITS		
IC2201		MC14013BCP	IC	1	
IC2202		AN3726K	IC	1	
IC2205		LM393P	IC	1	
			CONNECTORS		
P2201		VJP1229T	CONNECTOR(MALE) 2P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P2202		VJS1668	CONNECTOR(FEMALE)	1	
			TRANSISTORS		
Q2201		2SD602	TRANSISTOR CHIP	1	
Q2202-07		MSD601	TRANSISTOR	6	
Q2208		MSB709	TRANSISTOR	1	
			COMBINATION PARTS		
QR2201,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR2203		MRN1402	TRANSISTOR-RESISTOR	1	
QR2204		MRN1403	TRANSISTOR-RESISTOR	1	
QR2206,07		MRN2404	TRANSISTOR-RESISTOR	2	
QR2208-11		MRN1404	TRANSISTOR-RESISTOR	4	
QR2212		MRN1403	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R2201		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2202,03		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2204		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2205		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2206		ERJ6GEYG394	M.RESISTOR CH 1/10W 390K	1	
R2207		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2208		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2209		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2210		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2211		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2212		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2213		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R2214,15		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R2216		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2217		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2218		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R2219		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2242,43		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R2244		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2245		ERJ6GEYG823	M.RESISTOR CH 1/10W 82K	1	
R2246		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2247		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R2248		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2249		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2250		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2251		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2252		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2253		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2254		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2255		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2256		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2257		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2258		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2259		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
	■	VEP07586C	TV DEMODULATOR INTERFACE		(NIA) NV-V8000EG
			C.B.A.		
			CAPACITORS		
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUM1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7302		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7303		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	1	
C7304		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7305		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C7306		ECQB1H102KZ	P.CAPACITOR 50V 1000P	1	
C7307		ECQB1H822KZ	P.CAPACITOR 50V 8200P	1	
C7308		ECQB1H102KZ	P.CAPACITOR 50V 1000P	1	
C7309		ECQB1H152JH	P.CAPACITOR 50V 1500P	1	
C7310		ECEA16M10	E.CAPACITOR 16V 10U	1	
C7311		ECEA50MR47	E.CAPACITOR 50V 0.47U	1	
C7312		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C7313		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7314		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C7315		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7316		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C7317		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C7318		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7319		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7320,21		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C7322		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C7323,24		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	2	
C7325		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7331		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C7332,33		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C7334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7335		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7336		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7337		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C7338		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7339		ECQB1H103KZ	P.CAPACITOR 50V 0.01U	1	
C7340		ECUM1H390JPN	C.CAPACITOR CH 50V 39P	1	
C7341		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C7342		ECQB1H183JZ	F.CAPACITOR 50V 0.018U	1	
C7343		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7344		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7345		ECQB1H103KZ	P.CAPACITOR 50V 0.01U	1	
C7346		ECUM1H390JPN	C.CAPACITOR CH 50V 39P	1	
C7347		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C7348		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JH	P.CAPACITOR 50V 0.27U	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7941-44		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	4	
C7945		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7946		ECEA1CU221	E.CAPACITOR 16V 220U	1	
			DIODES		
D710		MA3100L	DIODE	1	
D773		11ES1	DIODE	1	
D7302		MA151A	DIODE	1	
D7303		MA28WA	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D7672,73		MA3150H	DIODE	2	
			INTEGRATED CIRCUITS		
IC701		M51366SP	IC	1	
IC7301		TDA3803A	IC	1	
IC7302,03		AN5215	IC	2	
			PACK PINS		
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
J7301,02		VJR0189	PACK PIN	2	
			COILS		
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L7301		ELESP102KA	COIL 1000UH	1	
L7302		ELESP680KA	COIL 68UH	1	
L7304		VTQ0014	COIL	1	
L7942,43		ELESP101KA	COIL	2	
L7944		ELESP1R0KA	COIL	1	
			CONNECTORS		
P7941		VJP1246T	CONNECTOR(MALE) 6P	1	
P7942		VJP1245T	CONNECTOR(MALE) 5P	1	
P7943		VJP1247T	CONNECTOR(MALE) 7P	1	
P7944		VJP1250T	CONNECTOR(MALE) 10P	1	
			TRANSISTORS		
Q703		2SD601-S	TRANSISTOR	1	
Q710		2SC2377-C	TRANSISTOR	1	
Q712		2SD638	TRANSISTOR	1	
Q771		2SD601-S	TRANSISTOR CHIP	1	
Q7301		2SD601-S	TRANSISTOR	1	
Q7302		2SD1328-S	TRANSISTOR	1	
Q7303		2SD1328-S	TRANSISTOR CHIP	1	
Q7304,05		2SD601	TRANSISTOR CHIP	2	
Q7306		2SC2404-C	TRANSISTOR CHIP	1	
Q7307		2SD1328-S	TRANSISTOR	1	
			COMBINATION PARTS		
QR701,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR711,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR7301,02		UN2214	TRANSISTOR-RESISTOR	2	
QR7312-14		UN2211	TRANSISTOR-RESISTOR	3	
			RESISTORS		
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	<!>
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R759		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7302		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7303		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7304		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7305		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7306		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7307		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7308		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R7309		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R7310		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R7311		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7312		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R7313		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R7314,15		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R7316		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7317		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7318		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R7321,22		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7323		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7324		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R7325		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R7329		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7330		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7331		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7333		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7334-37		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	4	
R7338		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7339		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R7340		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7341		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7342		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7343,44		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R7345		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7346		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7347		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7348		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7349		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7350		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R7351		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7941,42		ERDS2TJ750	C.RESISTOR 1/4W 75	2	
			TRANSFORMERS		
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T7301		EIR7QG001B	IF TRANSFORMER	1	
T7302,03		EIL7QH012Q	TRANSFORMER	2	
T7304		EIS5EC007A	TRANSFORMER	1	
T7305		EIS5EC005A	TRANSFORMER	1	
			VARIABLE RESISTORS		
VR701,02		EVN4LCA00B23	V.RESISTOR 2K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR7301		EVN38CA00B14	V.RESISTOR 10K	1	
VR7326		EVN38CA00B52	V.RESISTOR 500	1	
VR7328		EVN38CA00B52	V.RESISTOR 500	1	
VR7340		EVNE4AA00B14	V.RESISTOR 10K	1	
VR7342		EVNE4AA00B53	V.RESISTOR 5K	1	
VR7344		EVNE4AA00B14	V.RESISTOR 10K	1	
			CRYSTAL OSCILLATORS		
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		VLF0638	CRYSTAL OSCILLATOR	1	
X715		ELB5A043	CRYSTAL OSCILLATOR	1	
X716		EFCA31R90M1	CRYSTAL OSCILLATOR	1	31.75MHZ
X717		EFCA40R40M1	CRYSTAL OSCILLATOR	1	
X7301,02		EFCS5R5MS5B	CRYSTAL OSCILLATOR	2	
X7303,04		EFCS5R74MS5B	CRYSTAL OSCILLATOR	2	
X7305		ELB5A016	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		ENC17974	RF CONVERTER	1	<!>(FOR TV DEMO.INT.)
		VJH0614	JACK PLATE	1	(FOR TV DEMO.INT.)
		ENV57850H6	TUNER	1	<!>(FOR TV DEM. PACK)
		VSC2713	SHIELD (MAIN)	1	(FOR TV DEMO. PACK)
		VSC2712	SHIELD (TOP)	1	(FOR TV DEMO. PACK)
		VSC2714	SHIELD (BOTTOM)	1	(FOR TV DEMO. PACK)
	■	VEP07586D	TV DEMODULATOR INTERFACE		(NLA) NV-V8000EB
			C.B.A.		
			CAPACITORS		
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUM1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JH	P.CAPACITOR 50V 0.27U	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7941-44		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	4	
C7945		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7946		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C7951		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C7953		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7954		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C7955-59		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C7961		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C7962		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7963		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7964		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C7965		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C7966		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7967		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7968,69		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C7970		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7971		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7972		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7973,74		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7975		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7976,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7978		ECEA1CK100	E.CAPACITOR 16V 10U	1	
			DIODES		
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165VT	DIODE	1	
D773		11ES1	DIODE	1	
D7672,73		MA3150H	DIODE	2	
D7951		MA3100L	DIODE	1	
D7952		MA151K	DIODE	1	
			FILTERS		
FL7951		VLF0703	FILTER	1	
			INTEGRATED CIRCUITS		
IC701		M51366SP	IC	1	
IC7951		M51366SP	IC	1	
			PACK PINS		
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
			COILS		
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L7942,43		ELESP101KA	COIL 100UH	2	
L7944		ELESP1R0KA	COIL 1UH	1	
L7952		ELESP680KA	COIL 68UH	1	
L7954		VLQ0305JR56T	COIL 0.56UH	1	
L7955		ELESP680KA	COIL 68UH	1	
L7957		ELESP680KA	COIL 68UH	1	
			CONNECTORS		
P7943		VJP1247T	CONNECTOR(MALE) 7P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P7951		VJP1394T	CONNECTOR(MALE)	1	
P7941-6		VJP1246T	CONNECTOR(MALE) 6P	1	
P7942-4		VJP1245T	CONNECTOR(MALE) 5P	1	
P7944-1		VJP1394T	CONNECTOR(MALE)	1	
			PACK PINS		
PK7952,53		VJR0189	CONNECTOR (MALE)	2	
			TRANSISTORS		
Q703		2SD601-S	TRANSISTOR	1	
Q710		2SC2377-C	TRANSISTOR	1	
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328-S	TRANSISTOR	1	
Q771		2SD601-S	TRANSISTOR CHIP	1	
Q7951		2SC1047-C	TRANSISTOR	1	
Q7952		2SB709S	TRANSISTOR	1	
Q7953		2SC2404-C	TRANSISTOR CHIP	1	
Q7954		2SC1317	TRANSISTOR	1	
Q7955		2SB709S	TRANSISTOR	1	
			COMBINATION PARTS		
QR701,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR711,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR714		MRN1402	TRANSISTOR-RESISTOR	1	
QR7952		UN2217	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7941,42		ERDS2TJ750	C.RESISTOR 1/4W 75	2	
R7946		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R7951		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R7956		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7957		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7958		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R7959		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R7960		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R7961		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7962		ERD2FCG330	C.RESISTOR 2W 33	1	<!>
R7963		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7964		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7965		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7966		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R7967		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7968		VRE0040E471		1	
R7969		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7971		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7972		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7973		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7974		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7975,76		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R7978		ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R7979		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R7980		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
			TRANSFORMERS		
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T7951		EIV5EC013A	TRANSFORMER	1	
			VARIABLE RESISTORS		
VR701,02		EVN4LCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
			CRYSTAL OSCILLATORS		
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		VLF0638	CRYSTAL OSCILLATOR	1	
X712		EFCS5R5MS5	CRYSTAL OSCILLATOR	1	
X715		ELB5A043	CRYSTAL OSCILLATOR	1	
X716		EFCA31R90M1	CRYSTAL OSCILLATOR	1	31.75MHZ
X717		EFCA40R40M1	CRYSTAL OSCILLATOR	1	
X7951		EFCH38MQS1	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		ENC17974	RF CONVERTER	1	<!>(FOR TV DEMO.INT.)
		VJH0614	JACK PLATE	1	(FOR TV DEMO. INTER.)
		ENV57850H6	TUNER	1	<!>(FOR TV DEM. PACK)
		VSC2713	SHIELD (MAIN)	1	(FOR TV DEMO. PACK)
		VSC2712	SHIELD (TOP)	1	(FOR TV DEMO. PACK)
		VSC2714	SHIELD (BOTTOM)	1	(FOR TV DEMO. PACK)
	■	VEP07586E	TV DEMODULATOR INTERFACE		(NLA) NV-V8000B
			C.B.A.		
			CAPACITORS		
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C706		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C708		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C717-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUM1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H392JH	P.CAPACITOR 50V 3900P	1	
C7654		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C7655,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7657		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7658		ECQP1H562JZ	P.CAPACITOR 50V 5600P	1	
C7659		ECQB1H272JH	P.CAPACITOR 50V 2700P	1	
C7661		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7662		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C7663		ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C7664		ECQB1H273JH	P.CAPACITOR 50V 0.027U	1	
C7665,66		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7667		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7675		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C7676,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7678		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7680		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7681,82		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7941-44		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	4	
C7946		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C7951		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C7953		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7954		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C7955-59		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C7961		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C7962		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7963		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7964		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C7965		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C7966		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7967		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7968,69		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C7970		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7971		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7972		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7973,74		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7975		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7976,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7978		ECEA1CK100	E.CAPACITOR 16V 10U	1	
			DIODES		
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165VT	DIODE	1	
D773		MA151K	DIODE	1	
D7601		MA151A	DIODE	1	
D7602		MA3082M	DIODE	1	
D7951		MA3100L	DIODE	1	
D7952		MA151K	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			FILTERS		
FL7951		VLF0702	FILTER	1	
			INTEGRATED CIRCUITS		
IC701		M51366SP	IC	1	
IC7651		AN5421	IC	1	
IC7652		AN5043	IC	1	
IC7653		MN4066BS	IC	1	
IC7951		M51366SP	IC	1	
			COILS		
L701		ELESP680KA	COIL 68UH	1	
L713,14		VLQ0305J1R2	COIL 1.2UH	2	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP150KA	COIL 15UH	1	
L720		ELESP680KA	COIL 68UH	1	
L7943		ELESP101KA	COIL 100UH	1	
L7944		ELESP1R0KA	COIL 1UH	1	
L7952		ELESP680KA	COIL 68UH	1	
L7953		VLQ0305JR82T	COIL 0.82UH	1	
L7955		ELESP680KA	COIL 68UH	1	
L7957		ELESP680KA	COIL 68UH	1	
			CONNECTORS		
P7943		VJP1247T	CONNECTOR(MALE) 7P	1	
P7951		VJP1394T	CONNECTOR(MALE)	1	
P7941-6		VJP1246T	CONNECTOR(MALE) 6P	1	
P7942-4		VJP1245T	CONNECTOR(MALE) 5P	1	
P7944-1		VJP1394T	CONNECTOR(MALE)	1	
			PACK PINS		
PK701		VJR0231	PACK PIN	1	
PK702,03		VJR0406	PACK PIN	2	
PK704		VJR0231	PACK PIN	1	
PK7952,53		VJR0189	PACK PIN	2	
			TRANSISTORS		
Q703		2SD601-S	TRANSISTOR	1	
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328-S	TRANSISTOR CHIP	1	
Q771		2SD601-S	TRANSISTOR	1	
Q772		2SD601-S	TRANSISTOR CHIP	1	
Q7951		2SC1047-C	TRANSISTOR	1	
Q7952		2SB709S	TRANSISTOR	1	
Q7953		2SC2404-C	TRANSISTOR CHIP	1	
Q7954		2SC1317	TRANSISTOR	1	
Q7955		2SB709S	TRANSISTOR	1	
			COMBINATION PARTS		
QR701,02		UN2213	TRANSISTOR-RESISTOR	2	
QR713		UN2211	TRANSISTOR-RESISTOR	1	
QR7601		UN2213	TRANSISTOR-RESISTOR	1	
QR7952		UN2217	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R716		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R720		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R721		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R751		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R756		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R757,58		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7651		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7654		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7655		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7656		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R7657		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7658		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7659		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7661		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7662		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7663		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7664		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7671,72		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7673		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7674		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7675		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7677		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7678		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7679		ERDS2TJ100	C.RESISTOR 1/4W 10	1	
R7680		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7681,82		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7683		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R7684		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7691		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7692		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7694		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7695		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7696		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7941,42		ERDS2TJ750	C.RESISTOR 1/4W 75	2	
R7946		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R7951		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R7956		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R7957		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7958		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R7959		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R7960		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R7961		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7962		ERD2FCG330	C.RESISTOR 2W 33	1	<!>
R7963		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7964		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7965		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7966		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R7967		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7968		VRE0040E471	M.RESISTOR 470	1	
R7969		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7971		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7972		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7973		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7974		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7975,76		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R7978		ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R7979		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R7980		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
			TRANSFORMERS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
T703		EIV5EC005A	TRANSFORMER	1	
T704		EIV5EC007A	TRANSFORMER	1	
T711		EIS5EC008A	TRANSFORMER	1	
T7951		EIV5EC005A	TRANSFORMER	1	
			VARIABLE RESISTORS		
VR701		EVNDRAA00B23	V.RESISTOR 2K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR7660		EVM4LGA00B23	V.RESISTOR 2K	1	
			CRYSTAL OSCILLATORS		
X710		EFCH39MGP1	CRYSTAL OSCILLATOR	1	
X711		EFCS6R0MW5	CRYSTAL OSCILLATOR	1	
X712		EFCS6R0MS5	CRYSTAL OSCILLATOR	1	
X7951		EFCH39MQS1	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		ENC17972	RF CONVERTER	1	<!>(FOR TV DEMO.INT.)
		VJH0615	JACK PLATE	1	(FOR TV DEMO. INTER.)
		ENV87837H3B	TUNER	1	<!>(FOR TV DEM. PACK)
		VSC2712	SHIELD (TOP)	1	(FOR TV DEMO. PACK)
		VSC2713	SHIELD (MAIN)	1	(FOR TV DEMO. PACK)
		VSC2714	SHIELD (BOTTOM)	1	(FOR TV DEMO. PACK)
	■	VEP07549B	SUB NICAM DECODER C.B.A.		(NLA) NV-V8000EB
			CAPACITORS		
C7301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7302		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7304		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7305,06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7307		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7308-10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C7311		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7312,13		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C7314		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	
C7315		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7316		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7317		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7318		VCEA0JAC221	E.CAPACITOR 6.3V 220U	1	
C7319		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7320		VCEA0JAC101	E.CAPACITOR 6.3V 100U	1	
C7321		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7322		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	
C7323		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7324		VCEA1CAC470	E.CAPACITOR 16V 47U	1	
C7325,26		ECEA1CPB100	E.CAPACITOR 16V 10U	2	
C7327,28		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7329,30		VCEA1CAC470	E.CAPACITOR 16V 47U	2	
C7331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7332,33		ECEA1CPK100	E.CAPACITOR 16V 10U	2	
C7334,35		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C7336		ECEA1CPK100	E.CAPACITOR 16V 10U	1	
C7337,38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7339		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7342		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7343		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7344		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7345		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7348		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7349		ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7350,51		VCEA1CAC100	E.CAPACITOR 16V 10U	2	
C7901,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7903		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7905		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7906,07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7908,09		ECEA1HKR47	E.CAPACITOR 50V 0.47U	2	
C7910,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7912		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7913		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7914		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7915		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7916		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7917,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7919,20		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7921,22		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C7923-25		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	3	
C7926		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7927		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7928		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7929		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7930		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7931		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7932,33		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7940,41		ECRHA020D41	TRIMMER	2	
			DIODES		
D7301		MA151WK	DIODE	1	
D7302		MA151A	DIODE	1	
D7303		MA151WA	DIODE	1	
D7304		MA28W	DIODE	1	
D7305		MA151WK	DIODE	1	
D7306		MA151WA	DIODE	1	
D7307		MA151A	DIODE	1	
D7901		MA3110L	DIODE	1	
			FILTERS		
FL7301-04		VLF0634	FILTER	4	
FL7309-11		VLF0632	FILTER	3	
FL7313		VLF0632	FILTER	1	
FL7314		VLF0634	FILTER	1	
FL7315,16		VLF0837	FILTER	2	
FL7901,02		VLF0634	FILTER	2	
			INTEGRATED CIRCUITS		
IC7301		TC6011N	IC	1	
IC7302		TC5563APL-12	IC	1	
IC7303		TD6710AN	IC	1	
IC7304		AN6572	IC	1	
IC7305,06		M5201L	IC	2	
IC7901		TA8662N	IC	1	
			COILS		
L7301,02		VLP0054	COIL	2	
L7303-05		VLQEL05F4R7K	COIL 4.7UH	3	
L7901,02		ELESP821KA	COIL 820H	2	
			CONNECTORS		
P7301		VJP1393T	CONNECTOR(MALE) 13P	1	
			TRANSISTORS		
Q7301		2SC1317-R	TRANSISTOR	1	
Q7302		2SB709	TRANSISTOR CHIP	1	
Q7303,04		2SD1328-S	TRANSISTOR	2	
Q7305		2SB709	TRANSISTOR CHIP	1	
Q7307		2SB709	TRANSISTOR CHIP	1	
Q7901		2SC1317-R	TRANSISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			COMBINATION PARTS		
QR7301		UN2211	TRANSISTOR-RESISTOR	1	
QR7302		UN2212	TRANSISTOR-RESISTOR	1	
QR7303		UN2112	TRANSISTOR-RESISTOR	1	
QR7304		UN2113	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7301-06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	6	
R7307		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7308,09		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R7310		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R7311,12		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	2	
R7313,14		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R7315		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7316		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7317		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7318		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7319		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7320		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7321		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7322		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7323,24		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7325		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7326		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7327		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7328,29		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7330		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7331,32		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R7333,34		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7335		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7336,37		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7338		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7339		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7340		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7341		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7350,51		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7352-54		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	3	
R7355		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7901		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7902		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7903		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R7904		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7905		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7906,07		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7908		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7909		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
			VARIABLE RESISTORS		
VR7301,02		EVN38CA00B53	V.RESISTOR 5K	2	
			CRYSTAL OSCILLATORS		
X7301		VSX0294	CRYSTAL OSCILLATOR	1	
X7901		VSX0293	CRYSTAL OSCILLATOR	1	
X7902		VSX0291	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC2731	SHIELD (TOP)	1	
		VSC2732	SHIELD (MAIN)	1	
		VSC2733	SHIELD (BOTTOM)	1	
	■	VEP07549A	SUB NICAM DECODER C.B.A.		(NLA) NV-V800B

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CAPACITORS		
C7301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7302		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7304		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7305,06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7307		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7308-10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C7311		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7312,13		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C7314		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	
C7315		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7316		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7317		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7318		VCEA0JAC221	E.CAPACITOR 6.3V 220U	1	
C7319		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7320		VCEA0JAC101	E.CAPACITOR 6.3V 100U	1	
C7321		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7322		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	
C7323		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7324		VCEA1CAC470	E.CAPACITOR 16V 47U	1	
C7325,26		ECEA1CPB100	E.CAPACITOR 16V 10U	2	
C7327,28		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7329,30		VCEA1CAC470	E.CAPACITOR 16V 47U	2	
C7331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7332,33		ECEA1CPK100	E.CAPACITOR 16V 10U	2	
C7334,35		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C7336		ECEA1CPK100	E.CAPACITOR 16V 10U	1	
C7337,38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7339		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7342		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7343		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7344		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7345		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7348		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7349		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7350,51		VCEA1CAC100	E.CAPACITOR 16V 10U	2	
C7901,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7903		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7905		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7906,07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7908,09		ECEA1HKR47	E.CAPACITOR 50V 0.47U	2	
C7910,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7912		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7913		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7914		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7915		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7916		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7917,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7919,20		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7921,22		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C7923-25		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	3	
C7926		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7927		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7928		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7929		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7930		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7931		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7932,33		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7940,41		ECRHA020D41	TRIMMER	2	
			DIODES		
D7301		MA151WK	DIODE	1	
D7302		MA151A	DIODE	1	
D7303		MA151WA	DIODE	1	
D7304		MA28W	DIODE	1	
D7305		MA151WK	DIODE	1	
D7306		MA151WA	DIODE	1	
D7307		MA151A	DIODE	1	
D7901		MA3110L	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			FILTERS		
FL7301-04		VLF0634	FILTER	4	
FL7309-11		VLF0632	FILTER	3	
FL7313		VLF0632	FILTER	1	
FL7314		VLF0634	FILTER	1	
FL7315,16		VLF0837	FILTER	2	
FL7901,02		VLF0634	FILTER	2	
			INTEGRATED CIRCUITS		
IC7301		TC6011N	IC	1	
IC7302		TC5563APL-12	IC	1	
IC7303		TD6710AN	IC	1	
IC7304		AN6572	IC	1	
IC7305,06		M5201L	IC	2	
IC7901		TA8662N	IC	1	
			COILS		
L7301,02		VLP0054	COIL	2	
L7303-05		VLQEL05F4R7K	COIL 4.7UH	3	
L7901,02		ELESP821KA	COIL 820H	2	
			CONNECTOR		
P7301		VJP1393T	CONNECTOR(MALE) 13P	1	
			TRANSISTORS		
Q7301		2SC1317-R	TRANSISTOR	1	
Q7302		2SB709	TRANSISTOR CHIP	1	
Q7303,04		2SD1328-S	TRANSISTOR	2	
Q7305		2SB709	TRANSISTOR CHIP	1	
Q7307		2SB709	TRANSISTOR CHIP	1	
Q7901		2SC1317-R	TRANSISTOR	1	
			COMBINATION PARTS		
QR7301		UN2211	TRANSISTOR-RESISTOR	1	
QR7302		UN2212	TRANSISTOR-RESISTOR	1	
QR7303		UN2112	TRANSISTOR-RESISTOR	1	
QR7304		UN2113	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7301-06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	6	
R7307		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7308,09		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R7310		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R7311,12		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	2	
R7313,14		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R7315		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7316		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7317		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7318		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7319		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7320		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7321		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7322		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7323,24		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7325,26		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7327		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7328,29		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7330		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7331,32		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R7333,34		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7335		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7336,37		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7338,39		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7340		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7341		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7350,51		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7352-54		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	3	
R7355		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7901		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7902		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7903		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R7904		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7905		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7906,07		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7908		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7909		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
			VARIABLE RESISTORS		
VR7301,02		EVN38CA00B53	V.RESISTOR 5K	2	
			CRYSTAL OSCILLATORS		
X7301		VSX0294	CRYSTAL OSCILLATOR	1	
X7901		VSX0292	CRYSTAL OSCILLATOR	1	
X7902		VSX0291	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC2731	SHIELD (TOP)	1	
		VSC2732	SHIELD (MAIN)	1	
		VSC2733	SHIELD (BOTTOM)	1	
	■	VEP07606A	VPS INTERFACE C.B.A.		(NLA) NV-V8000EG/EB
			CAPACITORS		
C7801		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7815		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C7816		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C7821		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C7822		ECQB1H333JH	P.CAPACITOR 50V 0.033U	1	
C7823		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C7851		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7852		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C7853,54		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C7855,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7860		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
			DIODES		
D7601		MA151K	DIODE	1	
D7851		1SS254	DIODE	1	
			INTEGRATED CIRCUITS		
IC7851		MN158413VSSY	IC	1	
IC7852		MN1280S	IC	1	
IC7853		SDA5642	IC	1	
			CONNECTORS		
P7520		VJP1229T	CONNECTOR(MALE) 2P	1	
P7521		VJP1230T	CONNECTOR(MALE) 3P	1	
P7522		VJP1232T	CONNECTOR(MALE) 5P	1	
			COMBINATION PARTS		
QR7801		MRN2402	TRANSISTOR-RESISTOR	1	
QR7802		MRN1404	TRANSISTOR-RESISTOR	1	
QR7851		MRN1402	TRANSISTOR-RESISTOR	1	
QR7852		MRN1404	TRANSISTOR-RESISTOR	1	
			RESISTORS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7801		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7802		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R7803,04		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R7805		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R7806		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7807		ERJ6GEYG512	M.RESISTOR CH 1/10W 5.1K	1	
R7808		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7821		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7822		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R7851		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7860		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
			CRYSTAL OSCILLATOR		
X7851		EF0A4R0M03C2	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJR0189	PACK PIN (10P)	1	(FOR VPS PACK)
	■	VEP05149C	HEAD AMP C.B.A.		(NLA)
			CAPACITORS		
C501		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C502,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C504		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C505		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C507,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C509		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C511		ECUM1E473ZFN	C.CAPACITOR CH 25V 0.047U	1	
C513		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C514		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C515		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C516		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C517		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C518		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C519,20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C523		ECUM1H040CCN	C.CAPACITOR CH 50V 4P	1	
C524,25		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	2	
C526		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C527		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C530		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C531		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C532		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C533		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C534		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C535		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C536		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C537		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C552		ECEA1CKE101	E.CAPACITOR 16V 100U	1	
C553		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C555-59		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C560		ECEA0JPK470	E.CAPACITOR 6.3V 47U	1	
C561		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C562,63		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	2	
C564,65		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C566		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C567		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C569		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
			DIODES		
D501,02		MA165VT	DIODE	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			INTEGRATED CIRCUITS		
IC501		AN3334K	IC	1	
IC502		VCR0271	IC	1	
IC551		BA7740FS	IC	1	
			COILS		
L502		VLQ0188K330	COIL 33UH	1	
L504		VLQEL05F101K	COIL 100UH	1	
L505		VLQ0188K330	COIL 33UH	1	
L506		VLQ0188K6R8	COIL 6.8UH	1	
L551,52		VLQEL05F101K	COIL 100UH	2	
L553,54		VLQ0213K2R2	COIL 2.2UH	2	
			CONNECTORS		
P501		VJP1250T	CONNECTOR(MALE) 10P	1	
P502		VJS2603	CONNECTOR(FEMALE)	1	
P551		VJP1236T	CONNECTOR(MALE) 9P	1	
			TRANSISTOR		
Q501		2SB709	TRANSISTOR CHIP	1	
			RESISTORS		
R501		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R502		ERJ6GMYJ474	M.RESISTOR CH 1/10W 470K	1	
R503		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R507		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R508		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R510		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R511		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R512		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R513		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R514		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R515,16		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	2	
R517,18		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	2	
R519		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R520		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R521		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R522		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R523		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R551,52		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	2	
R554		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R555		ERJ6GMYJ243	M.RESISTOR CH 1/10W 24K	1	
R556		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R557		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R558		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R559		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R560		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R561,62		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R563		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R564		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R565		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R566,67		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	2	
R568		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
			VARIABLE RESISTORS		
VR501,02		EVND1AA00B23	V.RESISTOR 2K	2	
			MISCELLANEOUS		
		VSC2668	SHIELD (TOP)	1	
		VSC2669	SHIELD (BOTTOM)	1	
		VSC2670	SHIELD (MAIN)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP00Q25A	OPERATION C.B.A.		(NLA)
			CAPACITORS		
C6701		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
			COILS		
L6701		VLQEL05F101K	COIL 100UH	1	
			CONNECTORS		
P6701		VJP1230T	CONNECTOR(MALE) 3P	1	
P6702		VJP1229T	CONNECTOR(MALE) 2P	1	
P6703		VJP1232T	CONNECTOR(MALE) 5P	1	
			SWITCHES		
SW6701		EVQQS307K	SWITCH	1	
			MISCELLANEOUS		
		VEK5395	IR RECEIVER UNIT	1	
	■	VEP06745A	KEY BOARD C.B.A.		(NLA) NV-V8000EG
			DIODES		
D6401		MA165VT	DIODE	1	
D6403,04		LN25RCP	DIODE	2	
D6405		MA165VT	DIODE	1	
D6406		LN25RCP	DIODE	1	
D6407		MA165VT	DIODE	1	
D6408		LN25RCP	DIODE	1	
			CONNECTORS		
P6401		VJS1666	CONNECTOR(FEMALE)	1	
P6402		VJS1674	CONNECTOR(FEMALE)	1	
P6403		VJS2357A013	CONNECTOR(FEMALE)	1	
			TRANSISTORS		
Q6401		2SB641	TRANSISTOR	1	
Q6402		2SD636	TRANSISTOR	1	
			COMBINATION PARTS		
QR6402		UN1112	TRANSISTOR-RESISTOR	1	
QR6404		UN1112	TRANSISTOR-RESISTOR	1	
QR6405		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6402		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6403,04		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
R6405		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6406-09		ERDS2TJ151	C.RESISTOR 1/4W 150	4	
R6410-12		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	3	
R6413		EROS2CKG1002	M.RESISTOR 1/4W 10K	1	
R6414		EROS2CKG1802	M.RESISTOR 1/4W 18K	1	
R6415		EROS2CKG1002	M.RESISTOR 1/4W 10K	1	
R6416		EROS2CKG5102	M.RESISTOR 1/4W 51K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6417		EROS2CKG6802	M.RESISTOR 1/4W 68K	1	
R6418		EROS2CKG9102	M.RESISTOR 1/4W 91K	1	
R6419		EROS2CKG1202	M.RESISTOR 1/4W 12K	1	
R6420		EROS2CKG3302	M.RESISTOR 1/4W 33K	1	
R6421		EROS2CKG1203	M.RESISTOR 1/4W 120K	1	
R6422		ERDS2TJ681	C.RESISTOR 1/4W 680	1	
R6423		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R6424		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6425		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6426,27		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	2	
R6428		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
			SWITCHES		
SW6401		VSS0236	SWITCH	1	
SW6402		VSS0280	SWITCH	1	
SW6403-07		VSS0236	SWITCH	5	
SW6409		VSS0236	SWITCH	1	
SW6410		VSS0280	SWITCH	1	
SW6411-13		VSS0236	SWITCH	3	
SW6414-20		EVQQS307K	SWITCH	7	
			MISCELLANEOUS		
		VSQ0651	JOG/SHUTTLE ENCODER	1	
	■	VEP06745B	KEY BOARD C.B.A.		(NLA) NV-V8000EB/B
			DIODES		
D6401		MA165VT	DIODE	1	
D6403,04		LN25RCP	DIODE	2	
D6405		MA165VT	DIODE	1	
D6406		LN25RCP	DIODE	1	
D6407		MA165VT	DIODE	1	
D6408		LN25RCP	DIODE	1	
			CONNECTORS		
P6401		VJS1666	CONNECTOR(FEMALE)	1	
P6402		VJS1674	CONNECTOR(FEMALE)	1	
P6403		VJS2357A013	CONNECTOR(FEMALE)	1	
			TRANSISTORS		
Q6401		2SB641	TRANSISTOR	1	
Q6402		2SD636	TRANSISTOR	1	
			COMBINATION PARTS		
QR6402		UN1112	TRANSISTOR-RESISTOR	1	
QR6404		UN1112	TRANSISTOR-RESISTOR	1	
QR6405		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6402		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6403,04		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
R6405		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6406-09		ERDS2TJ151	C.RESISTOR 1/4W 150	4	
R6410-12		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	3	
R6413		EROS2CKG1002	M.RESISTOR 1/4W 10K	1	
R6414		EROS2CKG1802	M.RESISTOR 1/4W 18K	1	
R6415		EROS2CKG1002	M.RESISTOR 1/4W 10K	1	
R6416		EROS2CKG5102	M.RESISTOR 1/4W 51K	1	
R6417		EROS2CKG6802	M.RESISTOR 1/4W 68K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6418		EROS2CKG9102	M.RESISTOR 1/4W 91K	1	
R6419		EROS2CKG1202	M.RESISTOR 1/4W 12K	1	
R6420		EROS2CKG3302	M.RESISTOR 1/4W 33K	1	
R6421		EROS2CKG1203	M.RESISTOR 1/4W 120K	1	
R6422		ERDS2TJ681	C.RESISTOR 1/4W 680	1	
R6423		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R6424		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6425		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6426,27		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	2	
R6428		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
			SWITCHES		
SW6402		VSS0280	SWITCH	1	
SW6403-09		VSS0236	SWITCH	7	
SW6410		VSS0280	SWITCH	1	
SW6411-13		VSS0236	SWITCH	3	
SW6414-20		EVQQS307K	SWITCH	7	
			MISCELLANEOUS		
		VSQ0651	JOG/SHUTTLE ENCODER	1	
	■	VEP06701B	FRONT INTERFACE C.B.A.		(NLA)
			CONNECTORS		
P6802		VJS1800	CONNECTOR(FEMALE)	1	
P6803		VJS2357A018	CONNECTOR(FEMALE)	1	
P6804		VJS1666	CONNECTOR(FEMALE)	1	
P6805		VJP1235T	CONNECTOR(MALE) 8P	1	
P6806		VJP1236R	CONNECTOR(MALE)	1	
P6807		VJP1232T	CONNECTOR(MALE) 5P	1	
P6808		VJP1229T	CONNECTOR(MALE) 2P	1	
P6809		VJP1237T	CONNECTOR(MALE) 10P	1	
P6810		VJP1236T	CONNECTOR(MALE) 9P	1	
P6811		VJP1230R	CONNECTOR(MALE) 3P	1	
P6812		VJP1231T	CONNECTOR(MALE) 4P	1	
P6813		VJP1233T	CONNECTOR(MALE) 6P	1	
P6814		VJP1232R	CONNECTOR(MALE) 5P	1	
P6815		VJP1232T	CONNECTOR(MALE) 5P	1	
P6816		VJP1237T	CONNECTOR(MALE) 10P	1	
P6817,18		VJP1231T	CONNECTOR(MALE) 4P	2	
P6819		VJS2357A008	CONNECTOR(FEMALE)	1	
			RESISTORS		
R6801		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6802		ERDS2TJ392	C.RESISTOR 1/4W 3.9K	1	
	■	VEP06702B	FRONT VR C.B.A.		(NLA)
			CAPACITORS		
C6501		ECQB1H103KH	P.CAPACITOR 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			DIODES		
D6501,02		LN31GCPHL	DIODE	2	
D6503,04		LN41YCPHL	LED	2	
			CONNECTORS		
P6501		VJS1666	CONNECTOR(FEMALE)	1	
			RESISTORS		
R6501		EROS2CKG4701	M.RESISTOR 1/4W 4.7K	1	
R6502,03		EROS2CKG5600	M.RESISTOR 1/4W 560	2	
R6504		EROS2CKG4701	M.RESISTOR 1/4W 4.7K	1	
R6505		EROS2CKG2701	M.RESISTOR 1/4W 2.7K	1	
			VARIABLE RESISTORS		
VR6501,02		EVNDRAA00B53	V.RESISTOR 5K	2	
VR6503		EWANYGX05J54	V.RESISTOR 50K	1	
VR6504,05		EWAKFKXB3B24	V.RESISTOR 20K	2	
			MISCELLANEOUS		
		VMD1228	LED SPACER	4	
		VEK4842	LEVEL METER UNIT	1	
		VJF0537	LEVEL METER HOLDER	2	
		VYC0160	REC VR PANEL UNIT	1	
		VGU4495	REC VR KNOB	2	
	■	VEP07601B	TIMER(A) C.B.A.		(NLA) NV-V8000EG
			CAPACITORS		
C7511		ECEA1HK100	E.CAPACITOR 50V 10U	1	
C7514		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C7515		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C7516		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7522		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7585		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
			DIODES		
D7501		MA3068	DIODE	1	
D7504		MA73	DIODE	1	
D7507		MA73	DIODE	1	
D7510,11		MA73	DIODE	2	
D7513		MA73	DIODE	1	
D7516,17		MA73	DIODE	2	
D7530		MA73	DIODE	1	
D7550,51		LN28RCP	DIODE	2	
D7556		LN38GCPLV	DIODE	1	
D7559		LN28RCP	DIODE	1	
D7562		VLL0062	DIODE	1	
D7566		LN48YCPLV	DIODE	1	
D7572-74		MA73	DIODE	3	
			DISPLAY TUBES		
DP7501		VSL0209	DISPLAY TUBE	1	
			INTEGRATED CIRCUITS		
IC7506		MN187125VUJ	IC	1	
IC7507		AN6873N	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTORS		
P7501		VJP1233T	CONNECTOR(MALE) 6P	1	
P7502		VJS1661	CONNECTOR(FEMALE)	1	
P7503		VJS1663	CONNECTOR(FEMALE)	1	
P7514		VJP1232T	CONNECTOR(MALE) 5P	1	
P7515		VJP1230T	CONNECTOR(MALE) 3P	1	
			COMBINATION PARTS		
QR7503		UN2113	TRANSISTOR-RESISTOR	1	
QR7522,23		UN2111	TRANSISTOR-RESISTOR	2	
			RESISTORS		
R7504		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7536		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7539		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7568		ERJ6GEYJ390	M.RESISTOR CH 1/10W 39	1	
R7569		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R7571,72		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R7573		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7574		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
			CRYSTAL OSCILLATORS		
X7503		EF0GC4194A4	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0865	FIP HOLDER	1	
		VJF0880	LED HOLDER	1	
		VWJ15AWN090MM	FLEXIBLE WIRE (15P)	1	
		VWJ13AWN090MM	FLEXIBLE WIRE (13P)	1	
	■	VEP07601D	TIMER(A) C.B.A.		(NLA) NV-V8000EB
			CAPACITORS		
C7511		ECEA1HK100	E.CAPACITOR 50V 10U	1	
C7514		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C7515		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C7516		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7522		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7585		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
			DIODES		
D7501		MA3068	DIODE	1	
D7504		MA73	DIODE	1	
D7507		MA73	DIODE	1	
D7510,11		MA73	DIODE	2	
D7513		MA73	DIODE	1	
D7516,17		MA73	DIODE	2	
D7530		MA73	DIODE	1	
D7550,51		LN28RCP	DIODE	2	
D7554		LN28RCP	DIODE	1	
D7556		LN38GCPLV	DIODE	1	
D7559		LN28RCP	DIODE	1	
D7562		VLL0062	DIODE	1	
D7566		LN48YCPLV	DIODE	1	
D7572-74		MA73	DIODE	3	
			DISPLAY TUBE		
DP7501		VSL0209	DISPLAY TUBE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			INTEGRATED CIRCUITS		
IC7506		MN187125VUJ	IC	1	
IC7507		AN6873N	IC	1	
			CONNECTORS		
P7501		VJP1233T	CONNECTOR(MALE) 6P	1	
P7502		VJS1661	CONNECTOR(FEMALE)	1	
P7503		VJS1663	CONNECTOR(FEMALE)	1	
P7514		VJP1232T	CONNECTOR(MALE) 5P	1	
P7515		VJP1230T	CONNECTOR(MALE) 3P	1	
			COMBINATION PARTS		
QR7503		UN2113	TRANSISTOR-RESISTOR	1	
QR7522,23		UN2111	TRANSISTOR-RESISTOR	2	
			RESISTORS		
R7504		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7536		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7539		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7568		ERJ6GEYJ390	M.RESISTOR CH 1/10W 39	1	
R7569		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R7571,72		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R7573		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7574		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
			CRYSTAL OSCILLATORS		
X7503		EFOGC4194A4	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0865	FIP HOLDER	1	
		VJF0880	LED HOLDER	1	
		VWJ15AW090MM	FLEXIBLE WIRE (15P)	1	
		VWJ13AW090MM	FLEXIBLE WIRE (13P)	1	
	■	VEP07601E	TIMER(A) C.B.A.		(NIA) NV-V8000B
			CAPACITORS		
C7511		ECEA1HK100	E.CAPACITOR 50V 10U	1	
C7514		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C7515		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C7516		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7522		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7585		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
			DIODES		
D7501		MA3068	DIODE	1	
D7502		MA73	DIODE	1	
D7507,08		MA73	DIODE	2	
D7510,11		MA73	DIODE	2	
D7513		MA73	DIODE	1	
D7516,17		MA73	DIODE	2	
D7530		MA73	DIODE	1	
D7550,51		LN28RCP	DIODE	2	
D7554		LN28RCP	DIODE	1	
D7556		LN38GCPLV	DIODE	1	
D7559		LN28RCP	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D7562		VLL0062	DIODE	1	
D7566		LN48YCPLV	DIODE	1	
D7572-74		MA73	DIODE	3	
			DISPLAY TUBES		
DP7501		VSL0209	DISPLAY TUBE	1	
			INTEGRATED CIRCUITS		
IC7506		MN187125VUJ	IC	1	
IC7507		AN6873N	IC	1	
			CONNECTORS		
P7501		VJP1233T	CONNECTOR(MALE) 6P	1	
P7502		VJS1661	CONNECTOR(FEMALE)	1	
P7503		VJS1663	CONNECTOR(FEMALE)	1	
P7514		VJP1232T	CONNECTOR(MALE) 5P	1	
P7515		VJP1230T	CONNECTOR(MALE) 3P	1	
			CONBINATION PARTS		
QR7503		UN2113	TRANSISTOR-RESISTOR	1	
QR7522,23		UN2111	TRANSISTOR-RESISTOR	2	
			RESISTORS		
R7504		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7536		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7539		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7568		ERJ6GEYJ390	M.RESISTOR CH 1/10W 39	1	
R7569		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R7571,72		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R7573		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7574		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
			CRYSTAL OSCILLATORS		
X7503		EFOGC4194A4	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0865	FIP HOLDER	1	
		VJF0880	LED HOLDER	1	
		VWJ15AW090MM	FLEXIBLE WIRE (15P)	1	
		VWJ13AW090MM	FLEXIBLE WIRE (13P)	1	
	■	VEP07602B	TIMER(B) C.B.A.		(NLA) NV-V8000EG
			CAPACITORS		
C7501		ECRHA030E41	TRIMMER 40P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7509		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C7512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7517		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7520		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7523		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7525		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C7528		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
			DIODES		
D7532-41		MA73	DIODE	10	
D7568		MA73	DIODE	1	
			INTEGRATED CIRCUITS		
IC7501		MN187125VFY	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	
			CONNECTORS		
P2009		VJS1737	CONNECTOR(FEMALE)	1	
P6008		VJS1737	CONNECTOR(FEMALE)	1	
P6701		VJS1230T	CONNECTOR(FEMALE)	1	
P6805		VJS1741	CONNECTOR(FEMALE)	1	
P6806		VJS1236R	CONNECTOR(FEMALE)	1	
P6807		VJS1738	CONNECTOR(FEMALE)	1	
P7504		VJS1683	CONNECTOR(FEMALE)	1	
P7505		VJS1685	CONNECTOR(FEMALE)	1	
P7506		VJP1236T	CONNECTOR(MALE) 9P	1	
P7506		VJS1236R	CONNECTOR(FEMALE)	1	
P7507		VJP1235T	CONNECTOR(MALE) 8P	1	
P7507		VJS1741	CONNECTOR(FEMALE)	1	
P7508		VJP1230T	CONNECTOR(MALE) 3P	1	
P7508		VJS1230T	CONNECTOR(FEMALE)	1	
P7509		VJP1237T	CONNECTOR(MALE) 10P	1	
P7509		VJS1237T	CONNECTOR(FEMALE)	1	
P7510		VJP1231T	CONNECTOR(MALE) 4P	1	
P7510		VJS1737	CONNECTOR(FEMALE)	1	
P7513		VJP1245T	CONNECTOR(MALE) 5P	1	
P7514		VJS1738	CONNECTOR(FEMALE)	1	
P7944		VJS1237T	CONNECTOR(FEMALE)	1	
P9003		VJS1737	CONNECTOR(FEMALE)	1	
			COMBINATION PARTS		
QR7501		UN2213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7501		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7508-10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511,12		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7523-28		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	6	
R7530-32		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R7533		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7547		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7549		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550-56		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	7	
R7557		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7558,59		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7561		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7562,63		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R7583		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
			CRYSTAL OSCILLATORS		
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP07602D	TIMER(B) C.B.A.		(NLA) NV-V8000EB
			CAPACITORS		
C7501		ECRHA030E41	TRIMMER 40P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7509		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C7512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7517		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7520		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7523		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7525		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C7528		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
			DIODES		
D7532-41		MA73	DIODE	10	
D7568		MA73	DIODE	1	
			INTEGRATED CIRCUITS		
IC7501		MN187125VFY	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	
			CONNECTORS		
P2009		VJS1737	CONNECTOR(FEMALE)	1	
P6008		VJS1737	CONNECTOR(FEMALE)	1	
P6701		VJS1230T	CONNECTOR(FEMALE)	1	
P6805		VJS1741	CONNECTOR(FEMALE)	1	
P6806		VJS1236R	CONNECTOR(FEMALE)	1	
P6807		VJS1738	CONNECTOR(FEMALE)	1	
P7504		VJS1683	CONNECTOR(FEMALE)	1	
P7505		VJS1685	CONNECTOR(FEMALE)	1	
P7506		VJP1236T	CONNECTOR(MALE) 9P	1	
P7506		VJS1236R	CONNECTOR(FEMALE)	1	
P7507		VJP1235T	CONNECTOR(MALE) 8P	1	
P7507		VJS1741	CONNECTOR(FEMALE)	1	
P7508		VJP1230T	CONNECTOR(MALE) 3P	1	
P7508		VJS1230T	CONNECTOR(FEMALE)	1	
P7509		VJF0171T	CONNECTOR(FEMALE)	1	
P7509		VJP1393T	CONNECTOR(MALE) 13P	1	
P7510		VJP1231T	CONNECTOR(MALE) 4P	1	
P7510		VJS1737	CONNECTOR(FEMALE)	1	
P7513		VJP1245T	CONNECTOR(MALE) 5P	1	
P7514		VJS1738	CONNECTOR	1	
P7944		VJF0171T	CONNECTOR	1	
P9003		VJS1737	CONNECTOR(FEMALE)	1	
			COMBINATION PARTS		
QR7501		UN2213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7501		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7508-10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511,12		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7523-28		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	6	
R7530-32		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R7533		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7547		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7549		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550-56		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	7	
R7557		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7558,59		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7561		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7562,63		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R7583		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
			CRYSTAL OSCILLATORS		
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
	■	VEP07602C	TIMER(B) C.B.A.		(NLA) NV-V8000B
			CAPACITORS		
C7501		ECRHA030E41	TRIMMER 40P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7509		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C7512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7517		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7520		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7523		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7525		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C7528		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
			DIODES		
D7532-41		MA73	DIODE	10	
D7568		MA73	DIODE	1	
D7575		MA165	DIODE	1	
			INTEGRATED CIRCUITS		
IC7501		MN187125VFY	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	
			CONNECTORS		
P2009		VJS1737	CONNECTOR(FEMALE)	1	
P6008		VJS1737	CONNECTOR(FEMALE)	1	
P6701		VJS1230T	CONNECTOR(FEMALE)	1	
P6805		VJS1741	CONNECTOR(FEMALE)	1	
P6806		VJS1236R	CONNECTOR(FEMALE)	1	
P6807		VJS1738	CONNECTOR(FEMALE)	1	
P7504		VJS1683	CONNECTOR(FEMALE)	1	
P7505		VJS1685	CONNECTOR(FEMALE)	1	
P7506		VJP1236T	CONNECTOR(MALE) 9P	1	
P7506		VJS1236R	CONNECTOR(FEMALE)	1	
P7507		VJP1235T	CONNECTOR(MALE) 8P	1	
P7507		VJS1741	CONNECTOR(FEMALE)	1	
P7508		VJP1230T	CONNECTOR(MALE) 3P	1	
P7508		VJS1230T	CONNECTOR(FEMALE)	1	
P7509		VJF0171T	CONNECTOR	1	
P7509		VJP1393T	CONNECTOR(MALE) 13P	1	
P7510		VJP1231T	CONNECTOR(MALE) 4P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P7510		VJS1737	CONNECTOR(FEMALE)	1	
P7514		VJS1738	CONNECTOR(FEMALE)	1	
P7944		VJF0171T	CONNECTOR	1	
P9003		VJS1737	CONNECTOR(FEMALE)	1	
			COMBINATION PARTS		
QR7501		UN2213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7501		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7508-10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511,12		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7523-28		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	6	
R7531,32		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7533		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7547		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7549		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550-56		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	7	
R7557		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7558,59		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7561		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7562,63		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R7583		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
			CRYSTAL OSCILLATORS		
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
	■	VEP00Q26B	HEAD PHONE & MIC JACK		(NLA) NV-V8000EG
			C.B.A.		
			CAPACITORS		
C4801		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C4802		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4803		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C4804		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C4805,06		ECQB1H103KH	P.CAPACITOR 50V 0.01U	2	
			INTEGRATED CIRCUITS		
IC4801		VCR0172	IC	1	
			CONNECTORS		
J4801		VJJ0238	HEAD PHONE JACK	1	
J4802		VJJ0274	MIC JACK	1	
			COILS		
L4801,02		VLQ0188J221	COIL 220UH	2	
			CONNECTORS		
P4802		VJP1231T	CONNECTOR(MALE) 4P	1	
			MISCELLANEOUS		
		VJF0885	HOLDER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP00Q26A	HEAD PHONE & MIC JACK		(NIA) NV-V8000EB/B
			C.B.A.		
			CAPACITORS		
C4801		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C4802		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4803		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C4804		ECEA1AK330	E.CAPACITOR 10V 33U	1	
			INTEGRATED CIRCUITS		
IC4801		VCR0172	IC	1	
			JACKS		
J4801		VJJ0238	HEAD PHONE JACK	1	
J4802		VJJ0274	MIC JACK	1	
			CONNECTORS		
P4802		VJP1231T	CONNECTOR(MALE) 4P	1	
			MISCELLANEOUS		
		VJF0885	HOLDER	1	
	■	VEP02365B	SERVO VR C.B.A.		(NIA)
			CAPACITORS		
C2801		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2802		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
			DIODES		
D2801		MA165VT	DIODE	1	
			INTEGRATED CIRCUITS		
IC2801		AN3912	IC	1	
			CONNECTORS		
P2801		VJP1932T	CONNECTOR(MALE)	1	
P2802		VJP1230T	CONNECTOR(MALE) 3P	1	
P2803		VJP1233R	CONNECTOR(MALE) 6P	1	
P2804		VJP1234T	CONNECTOR(MALE) 7P	1	
P2805		VJP1232T	CONNECTOR(MALE) 5P	1	
			RESISTORS		
R2801		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2802		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R2803,04		ERDS2TJ563	C.RESISTOR 1/4W 56K	2	
R2805		EROS2CKG2702	M.RESISTOR 1/4W 27K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			VARIABLE RESISTORS		
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2006		EVNDRAA00B15	V.RESISTOR 100K	1	
VR2011		EVNDRAA00B15	V.RESISTOR 100K	1	
VR2013		EVNDRAA00B23	V.RESISTOR 2K	1	
VR2018,19		EVNDRAA00B15	V.RESISTOR 100K	2	
VR4510		EVN4YCA00B54	V.RESISTOR 50K	1	
	■	VEP04346A	FRONT JACK C.B.A.		(NLA) NV-V8000EG
			CAPACITORS		
C3701-03		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	3	
C3704,05		ECKF1H101KB	C.CAPACITOR 50V 100P	2	
			COIL		
L3701,02		VLQEL05F101K	COIL 100UH	2	
			CONNECTORS		
P3701		VJP1246R	CONNECTOR(MALE)	1	
P3702		VJP1244R	CONNECTOR(MALE) 4P	1	
P3703		VJP1243R	CONNECTOR(MALE) 3P	1	
P3705		VJP1246R	CONNECTOR(MALE)	1	
			RESISTORS		
R3701-03		ERDS2TJ750	C.RESISTOR 1/4W 75	3	
R3704,05		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	2	
			SWITCHES		
SW3701		VSS0236	SWITCH	1	
			MISCELLANEOUS		
		VGU4827	SW KNOB	1	
		VEJ1116	JACK PLATE	1	
		VGU5045	VR KNOB	1	
	■	VEP04316B	FRONT JACK C.B.A.		(NLA) NV-V8000EB/B
			CAPACITORS		
C3701-03		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	3	
			CONNECTORS		
P3701		VJP1246R	CONNECTOR(MALE)	1	
P3702		VJP1244R	CONNECTOR(MALE) 4P	1	
P3703		VJP1243R	CONNECTOR(MALE) 3P	1	
P3705		VJP1246R	CONNECTOR(MALE)	1	
			RESISTORS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3701-03		ERDS2TJ750	C.RESISTOR 1/4W 75	3	
			SWITCHES		
SW3701		VSS0236	SWITCH	1	
			VARIABLE RESISTORS		
VR2009		EVUF2AF15B25	V.RESISTOR 20K	1	
VR3701		EVJY50E20C23	V.RESISTOR 2K	1	
			MISCELLANEOUS		
		VGU4827	SW KNOB	1	
		VEJ1116	JACK PLATE	1	
		VGU5045	VR KNOB	1	
	■	VEP01445A	POWER SWITCHING TRANSFORMER		<!> (NLA)
			C.B.A.		
			CAPACITORS		
C1101-09		VCK0046	CAPACITOR	9	<!>
C1116,17		ECQU2A224MN	P.CAPACITOR 100V 0.22U	2	<!>
C1118		ECOS2GA121G	E.CAPACITOR 400V 120U	1	
C1119		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1120		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1121		ECQE6473JZ	P.CAPACITOR 50V 0.047U	1	
C1122		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C1123		ECA1CXLV470	E.CAPACITOR 16V 47U	1	
C1124		ECQB1H103JS	P.CAPACITOR 50V 0.01U	1	
C1125		ECQV1H105JF	P.CAPACITOR 50V 1U	1	
C1126		ECQV1H334JF	P.CAPACITOR 50V 0.33U	1	
C1127		ECEA1HFE560	E.CAPACITOR 50V 56U	1	
C1128		ECEA1VFE820	E.CAPACITOR 35V 82U	1	
C1129		ECA1CFZ561	E.CAPACITOR 16V 560U	1	
C1130		ECA1AFZ102	E.CAPACITOR 10V 1000U	1	
C1131		ECA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1132		ECEA1HFE270	E.CAPACITOR 50V 27U	1	
C1133		ECEA1CFE331	E.CAPACITOR 16V 330U	1	
C1134		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1135		ECEA1CKE101	E.CAPACITOR 16V 100U	1	
C1136,37		ECA0JKF560	E.CAPACITOR 6.3V 56U	2	
C1138		ECEA1CKE101	E.CAPACITOR 16V 100U	1	
C1139,40		ECA0JKF101	E.CAPACITOR 6.3V 100U	2	
C1141		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1142,43		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	
C1144		ECKF1H101KB	C.CAPACITOR 50V 100P	1	
			DIODES		
D1102-05		EM1B	DIODE	4	<!>
D1106		VSD0002	DIODE	1	
D1107		AP01C	DIODE	1	
D1108		MA4030L	DIODE	1	
D1109		MA178	DIODE	1	
D1110		MA165VT	DIODE	1	
D1111		MA185	DIODE	1	
D1112		FMLG12SP	DIODE	1	
D1113		MA185	DIODE	1	
D1114		FMBG14L	DIODE	1	
D1115		EK14	DIODE	1	
D1116		MA2160B	DIODE	1	
D1117		MA4130-L	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			INTAGRATED CIRCUITS		
IC1101		STRD6009E	IC	1	<!>
IC1102		STK5392	IC	1	
IC1103		SE013E	IC	1	
			COILS		
L1101,02		ELF18D221F	COIL	2	<!>
L1103		ELC07B009	COIL	1	
L1104		VLQEL06F101K	COIL 100UH	1	
L1105		ELC07B009	COIL	1	
			CONNECTORS		
P1101		VJP1932T	CONNECTOR(MALE)	1	
P1102		VJS2625	AC INLET	1	<!>
P1103		VJP1233T	CONNECTOR(MALE) 6P	1	
			TRANSISTORS		
Q1101		PC111AD	TRANSISTOR	1	<!>
Q1102		2SD1330	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	<!>
R1102,03		ERDS1TJ563	C.RESISTOR 1/2W 56K	2	
R1104,05		ERDS2TJ474	C.RESISTOR 1/4W 470K	2	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1107		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1108		ERDS2TJ681	C.RESISTOR 1/4W 680	1	
R1109		ERDS2TJ121	C.RESISTOR 1/4W 120	1	
R1110		ERW1PK2R2	C.RESISTOR 1W 2.2	1	
R1111,12		ERG2SJ820	M.RESISTOR 2W 82	2	
R1113,14		ERG2SJ560	M.RESISTOR 2W 56	2	
R1115		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1116		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1117		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1118		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
			TRANSFORMERS		
T1101		VLT0591	TRANSFORMER	1	<!>
			MISCELLANEOUS		
		VJF0318	FUSE HOLDER	2	<!>
		VMZ1835	BARRIER	1	
	■	VEP01467A	POWER TRANSFORMER C.B.A.		<!> (NLA)
			CAPACITORS		
C1001,02		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	
C1003		ECEA1CU472	E.CAPACITOR 16V 4700U	1	
C1004		ECEA1EK330	E.CAPACITOR 25V 33U	1	
C1005		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C1006		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1007		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
			DIODES		
D1001		RBV-401	DIODE	1	<!>
D1005		MA4039M	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			FUSE		
F1002		XBA2C31TBO	FUSE	1	<!>
			COILS		
L1001		ELF18D221F	COIL	1	<!>
L1002,03		VLP0053	COIL	2	
			CONNECTORS		
P1001		VJP1221	CONNECTOR(MALE)	1	
P1002		VJP1245T	CONNECTOR(MALE) 5P	1	
P1003		VJP1142	CONNECTOR(MALE) 3P	1	
P1004		VJP1242T	CONNECTOR(MALE) 2P	1	
			TRANSISTORS		
Q1001		2SD973A	TRANSISTOR CHIP	1	
Q1002		2SD636	TRANSISTOR	1	
			COMBINATION PARTS		
QR1001,02		UN1213	TRANSISTOR-RESISTOR	2	
			RESISTORS		
R1001		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1003		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R1004		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1005		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R1006		ERTD2FHL103S	THERMISTOR	1	
R1008		ERDS2TJ331	C.RESISTOR 1/4W 330	1	
			TRANSFORMERS		
T1001		VTP0322	TRANSFORMER	1	<!>
			VARIABLE RESISTORS		
VR1001		EVND1AA03B53	V.RESISTOR 5K	1	
			MISCELLANEOUS		
		TEL302	BINDING TERMINAL	2	
		VJF0318	FUSE HOLDER	2	<!>
		VMZ0429	FUSE COVER (F1001)	1	
		VMZ1835	BARRIER	1	
	■	VEP00Q27A	POWER TRANSISTOR C.B.A.		<!> (NLA)
			CAPACITORS		
C1301		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
			CONNECTORS		
P1301		VJP1142	CONNECTOR(MALE) 3P	1	
			TRANSISTORS		
Q1301		2SC4024	TRANSISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP00Q69A	FAN MOTOR C.B.A.		(NLA)
			CAPACITORS		
C1901		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1902		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C1903		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C1904		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1905		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C1906		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
			DIODES		
D1901		MA4110H	DIODE	1	
D1902-04		MA165VT	DIODE	3	
			INTEGRATED CIRCUITS		
IC1901		UPD4538BC	IC	1	
			CONNECTORS		
P1901		VJP1244T	CONNECTOR(MALE) 4P	1	
P1902		VJP1243T	CONNECTOR(MALE) 3P	1	
			TRANSISTORS		
Q1901		2SD638	TRANSISTOR	1	
			COMBINATION PARTS		
QR1901		UN1112	TRANSISTOR-RESISTOR	1	
QR1902,03		UN1213	TRANSISTOR-RESISTOR	2	
			RESISTORS		
R1901		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1902		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R1903		ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R1904		ERDS2TJ124	C.RESISTOR 1/4W 120K	1	
R1905		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
	■	VEX0121	CYLINDER DRIVE C.B.A.		(NLA)
			CAPACITORS		
C2901-03		ECEA1VSN2R2	E.CAPACITOR 35V 2.2U	3	
C2904-06		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2907		ECUM1E683KBM	C.CAPACITOR CH 25V 0.068U	1	
C2908		ECUM1E473KBM	C.CAPACITOR CH 25V 0.047U	1	
C2909		ECQV1H104JS	P.CAPACITOR 50V 0.1U	1	
C2910,11		ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C2912		ECEA0JKS220	E.CAPACITOR 6.3V 22U	1	
C2913		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
			INTEGRATED CIRCUITS		
IC2901		AN3815K	IC	1	
			CONNECTORS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P2901		VJP2603W	CONNECTOR(MALE) 12P	1	
P2902		VJP1232T	CONNECTOR(MALE) 5P	1	
			RESISTORS		
R2901		ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
			THERMISTORS		
TH2901		VRH0017	THERMISTOR	1	
			MISCELLANEOUS		
		VMA8089	MAIN HOLDER	1	
	■	VEK5096	MECHANISM CONNECTION C.B.A.		(NLA)
			CONNECTORS		
P1530		VJP1252T	CONNECTOR(MALE) 12P	1	
P1531		VJP1229T	CONNECTOR(MALE) 2P	1	
P1532		VJP1234T	CONNECTOR(MALE) 7P	1	
P1533		VJP1229R	CONNECTOR(MALE) 2P	1	
	■	VEK5099	COMPACT CASSETTE BLINDER SENSOR FLEXIBLE CABLE UNIT		(NLA)
			MISCELLANEOUS		
		PN158NVNC	PHOTO TRANSISTOR	1	
		RPI-441	PHOTO COUPLER	1	
	■	VEP00Q45A	PHOTO Tr.(T) C.B.A.		(NLA)
			CAPACITORS		
C1512		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
			TRANSISTORS		
Q1512		PN150NVS	PHOTO TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP00Q47A	PHOTO Tr.(S) C.B.A.		(NLA)
			CAPACITORS		
C1511		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
			TRANSISTORS		
Q1511		PN150NVS	PHOTO TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	
	■	VEP00Q46A	CASSETTE COMPARTMENT CONNECTION C.B.A.		(NLA)
			CONNECTORS		
P1511		VJP1252R	CONNECTOR(MALE) 12P	1	
P1512		VJP1230T	CONNECTOR(MALE) 3P	1	
P1513		VJP1231T	CONNECTOR(MALE) 4P	1	
P1514		VJP1229T	CONNECTOR(MALE) 2P	1	
P1515		VJP1229R	CONNECTOR(MALE) 2P	1	
P1516		VJP1230T	CONNECTOR(MALE) 3P	1	
P1517		VJP1229T	CONNECTOR(MALE) 2P	1	
	■	VXA4160	SHUTTER SW UNIT		(NLA)
			SWITCHES		
SW1,2		VSP0529	SHUTTER SW	2	
	■	VEK2657	TENSION SENSOR UNIT		(NLA)
			PHOTO COUPLERS		
Q1504		ON1301	PHOTO COUPLER	1	
			RESISTORS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1502		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
	■	VEK5097	SENSOR LED CONNECTION		(NIA)
			C.B.A.		
	■	VEK5095	REEL SOLENOID C.B.A.		(NIA)
			MISCELLANEOUS		
		VSJ0066	SOLENOID	1	
	■	VEP66151B	JOG REMOTE CONTROLLER		(NIA)
			C.B.A.		
			CAPACITORS		
C6801		ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C6802,03		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C6804		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
C6805		ECEA1HKSR22	E.CAPACITOR 50V 22U	1	
C6806		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
			DIODES		
D6801		SE303ACYTF	DIODE	1	
D6802		LN25RCP	DIODE	1	
D6804-12		MA221	DIODE	9	
			INTEGRATED CIRCUITS		
IC6801		M34200V1AF	IC	1	
			CONNECTORS		
P6801		VJS2849	CONNECTOR(FEMALE)	1	
			TRANSISTORS		
Q6801		MSB709	TRANSISTOR-RESISTOR	1	
Q6802-05		MSD601	TRANSISTOR-RESISTOR	4	
Q6806		MSB709	TRANSISTOR-RESISTOR	1	
Q6807,08		MSD601	TRANSISTOR-RESISTOR	2	
			COMBINATION PARTS		
QR6801		UN7231	TRANSISTOR	1	
QR6802		MRN1404	TRANSISTOR-RESISTOR	1	
QR6804		MRN1407	TRANSISTOR-RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			RESISTORS		
R6801		ERJ8GCYJ8R2	M.RESISTOR CH 1/8W 8.2	1	
R6802		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6804		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6806,07		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R6808		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6809		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6810		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6811		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6812		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6813		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6814		ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6816		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6817-22		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	6	
R6824		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6825		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R6826		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6827		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6828		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6831		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6835		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6836		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6837		ERJ8GCYJ8R2	M.RESISTOR CH 1/8W 8.2	1	
			SWITCHES		
SW6801		VSS0126	SWITCH	1	
			CRYSTAL OSCILLATORS		
X6801		EF0A440KT4A1	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJR0576	ELECTRODE (+)	1	
		VJR0577	ELECTRODE (-)	1	
	■	VEP66126D	DIGITAL SCANNER C.B.A.		(NIA) NV-V8000EG/EB
			CAPACITORS		
C02		ECEV1CAN4R7	E.CAPACITOR 16V 4.7U	1	
C03-05		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	3	
C06		ECEV1CA470P	E.CAPACITOR 16V 47U	1	
C07,08		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C09		ECUM1E224ZFM	C.CAPACITOR CH 25V 0.22U	1	
C10-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C13		ECEV1HA010	E.CAPACITOR 50V 1U	1	
			DIODES		
D04		MA151A	DIODE	1	
D06		SE303ACY	DIODE	1	
			INTEGRATED CIRCUITS		
IC01		MC68H05V4AJ	IC	1	
IC02		AN8355S	IC	1	
			COILS		
L01		ELT3K017B	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			LCDS		
LCD01		VSL0177	LCD	1	
			TRANSISTORS		
Q02		2SB710-R	TRANSISTOR CHIP	1	
Q03		2SB709-R	TRANSISTOR CHIP	1	
Q04		2SD601-R	TRANSISTOR CHIP	1	
			COMBINATION PARTS		
QR02		FN1L4M	TRANSISTOR-RESISTOR	1	
QR04		FA1L4Z	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R01		ERJ6GMYJ120	M.RESISTOR CH 1/10W 12	1	
R02		ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K	1	
R03		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R04		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R05		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R06		ERJ6GMYJ334	M.RESISTOR CH 1/10W 330K	1	
R07		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R08		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R09		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R13		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R16,17		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R18		ERJ8GCYJ120	M.RESISTOR CH 1/8W 12	1	
R19		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R21		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R29		ERJ8GCYJ150	M.RESISTOR CH 1/8W 15	1	
R30		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
			SENSORS		
SN01		VSQ0567	SENSOR	1	
			SWITCHES		
SW01		VSS0126	SWITCH	1	
SW02		EVQQFV02K	SWITCH	1	
			BARIABLE RESISTOR		
VR09		EVNDXAA00B34	V.RESISTOR 30K	1	
			CRYSTAL OSCILLATORS		
X01		VSX0245	CRYSTAL OSCILLATOR	1	
X02		EFBAL30D001K	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMX1324	LCD SPACER	1	
	■	VEP66126C	DIGITAL SCANNER C.B.A.		(NLA) NV-V8000B
			CAPACITORS		
C02		ECEV1CAN4R7	E.CAPACITOR 16V 4.7U	1	
C03-05		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	3	
C06		ECEV1CA470	E.CAPACITOR 16V 47U	1	
C07,08		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C09		ECUM1E224ZFM	C.CAPACITOR CH 25V 0.22U	1	
C10-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C13		ECEV1HA010	E.CAPACITOR 50V 1U	1	
			DIODES		
D04		MA151A	DIODE	1	
D06		SE303ACY	DIODE	1	
			INTEGRATED CIRCUITS		
IC01		MC68H05V4AJ	IC	1	
IC02		AN8355S	IC	1	
			COILS		
L01		ELT3K017B	COIL	1	
			LCDS		
LCD01		VSL0177	LCD	1	
			TRANSISTORS		
Q02		2SB710-R	TRANSISTOR CHIP	1	
Q03		2SB709-R	TRANSISTOR CHIP	1	
Q04		2SD601-R	TRANSISTOR CHIP	1	
			COMBINATION PARTS		
QR02		FN1L4M	TRANSISTOR-RESISTOR	1	
QR04		FA1L4Z	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R01		ERJ6GMYJ120	M.RESISTOR CH 1/10W 12	1	
R02		ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K	1	
R03		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R04		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R05		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R06		ERJ6GMYJ334	M.RESISTOR CH 1/10W 330K	1	
R07		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R08		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R09		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R13		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R16,17		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R18		ERJ8GCYJ120	M.RESISTOR CH 1/8W 12	1	
R19		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R21		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R29		ERJ8GCYJ150	M.RESISTOR CH 1/8W 15	1	
R30		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
			SENSORS		
SN01		VSQ0567	SENSOR	1	
			SWITCHES		
SW01		VSS0126	SWITCH	1	
SW02		EVQQFV02K	SWITCH	1	
			VARIABLE RESISTOR		
VR09		EVNDXAA00B34	V.RESISTOR 30K	1	
			CRYSTAL OSCILLATORS		
X01		VSX0245	CRYSTAL OSCILLATOR	1	
X02		EFBAL30D001K	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMX1324	LCD SPACER	1	